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MEAGAN THOMPSON, THE MONTANA STANDARD

Ice forms on the surface of toxic water in the Berkeley Pit on Friday morning in Butte.

Berkeley Pit water to power LA?

Global firm looking at building ‘green’ hydrogen plant here

DAVID MCCUMBER
david.mccumber@mtstandard.com

Using Berkeley Pit water to help power Los Angeles with renewable energy?

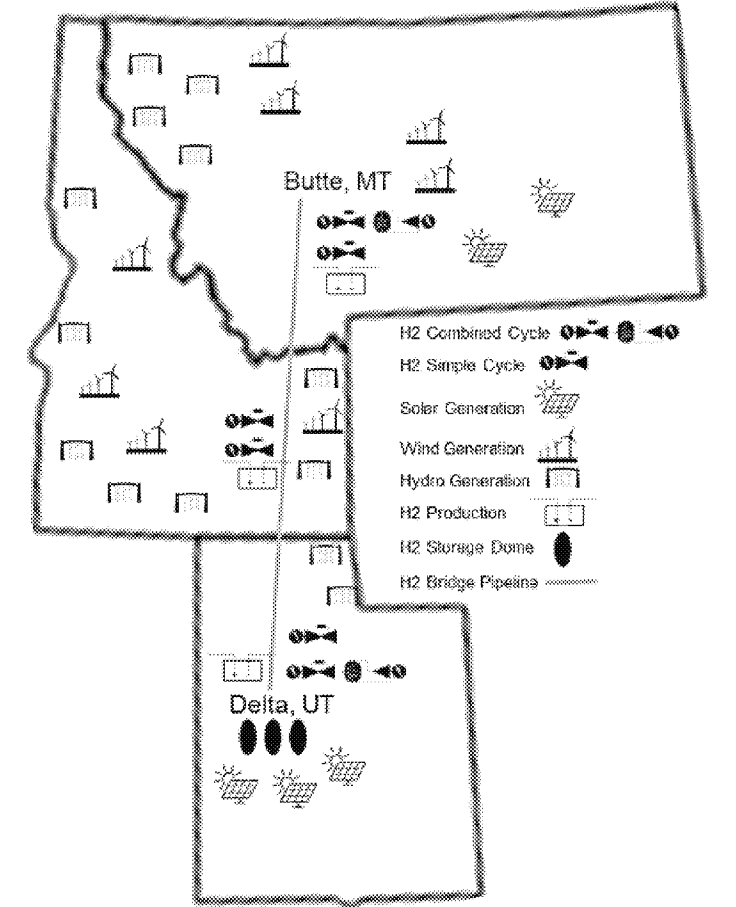
A global leader in power systems is talking with state and local officials about doing just that.

Mitsubishi Hitachi Power System America Inc. has met with Montana Resources, Atlantic Richfield, NorthWestern Energy and Butte-Silver Bow officials in recent months. Last week, the company made a presentation to the Governor’s Council on Climate Solutions.

The vision they set out is massive — a plan that would go a long way toward decarbonizing the power grid in the West.

As part of that, the company has discussed taking treated water — basically, Berkeley Pit water after it has been through water-treatment and polishing plants — and building a new plant in Butte that would electrolyze the water, extracting the hydrogen. The only byproducts of that process would be oxygen and water vapor.

The hydrogen would then be sent via a 450-mile pipeline to Delta, Utah, where it would be stored in massive salt caverns — literally across the street from the massive coal-fired Intermountain Power Plant, operated by the Los Angeles Department of Water and Power.



PROVIDED

Mitsubishi Hitachi Power System America produced this early conceptual map of a hydrogen pipeline from Montana through Idaho to Utah.

Los Angeles is under a mandate to dump coal as an energy source. The Intermountain plant produces nearly one-fifth of the city’s electricity.

The DWP has pledged to close the current coal-fired plant by 2025, replacing it with a plant

that uses 70 percent natural gas and 30 percent hydrogen. Two weeks ago, DWP executives told the agency’s board that over the next two decades, that ratio would continue to shift toward hydrogen until 2045, when the plant would run on 100 percent

renewably sourced hydrogen.

According to a story in the Los Angeles Times, DWP General Manager Marty Adams told the board, “We will do everything we can to accelerate this.”

The global market, said that Los Angeles Times article, for renewable or “green” hydrogen — generated by using renewable energy to split water molecules into hydrogen and oxygen in a process called electrolysis — is small but growing.

The market for renewable hydrogen isn’t just power plants. Eventually, hydrogen could fuel heavy industry and even automobiles. Costs of producing it are expected to drop rapidly, fueling the kind of development Mitsubishi Hitachi (MHPS) is considering in Butte.

“I can’t say too much ... we did have one meeting” a little over a month ago, said Karen Byrnes, Butte-Silver Bow’s economic development director. “It’s extremely interesting, very exciting, particularly because of this company, which is a global leader. We are very interested to talk more.”

Jon Sesso, B-SB’s Superfund coordinator, said the county and MHPS have discussed locating the electrolyzing plant at the Montana Connections industrial park. At least some of the infrastructure needed to bring large volumes of water from the polishing plant to the industrial park is already in place, he said.

“It’s impressive that a company of this size and investment

Rural students miss access

Dual enrollment helps many, leaves other students behind

CAMERON EVANS
cameron.evans@missoulilian.com

At the Billings Public Schools Career Center, high school students can help build a house, teach pre-kindergarten students, repair automobiles, or monitor the heartbeat of a lifelike mannequin in an operating room — all while earning college credit.

An hour east of Billings at Hardin High School near the Crow Reservation, students can learn the basics of first response medical care in an Emergency Medical Technician class. But unlike students at the Billings Career Center, Hardin students can’t earn college credit for the same course. The school lacks a teacher with the credentials to teach that course at a college level, and a Hardin student’s ability to earn college credit is limited to a few fundamental courses, such as Writing 101.

“The biggest hurdle we have is finding qualified teachers that can teach those classes because they have to have a master’s degree and for a certain specific area, they have to have at least nine graduate level credits in order to teach those classes,” said Lance Olson, a guidance counselor and Gear Up liaison at Hardin High School.

Even farther away, some 55 miles from Billings, is Lame Deer High School on the Northern Cheyenne Reservation. Here, students in a welding class can learn to change tires and repair automobiles, but they are earning only high school credit, not college credit. Dual enrollment, a bridge to college, isn’t yet built into the program.

Dual enrollment courses allow students to work toward their high school diploma while also earning college credit at low or no cost. A state pilot program called “One-Two-Free” allows all eligible high school students the chance to take their first two dual enrollment courses through the Montana University System at no charge, and many other private and tribal colleges offer free or reduced tuition.

Educators across Montana

Please see **POWER**, Page **A6**

Please see **DUAL**, Page **A3**

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Kids Dream Room Drawing Contest

KIDS DRAW A PICTURE OF YOUR DREAM ROOM AND IT MIGHT JUST COME TO LIFE!

Submit Drawings by Dec. 27th, 2019 to Pierce Carpet Mill Outlet, Sherwin Williams, Builders First Source or The Montana Standard.

Please include the following on the back of the drawing: Name and Age of Child, Name of Parent, Address and Phone. Children 12 and Under can participate. Winner will be drawn randomly on January 1st.

6 Days Left to Submit!

LOCAL

WHAT'S HAPPENING

SUNDAY, DEC. 22

REINDEER AT MURDOCH'S
Visit live reindeer at Murdoch's in Butte 11 a.m. to 4 p.m. While you're there, write a letter to Santa and pick up some magic reindeer snacks to use on Christmas Eve for Santa's special helpers.

CANDLELIGHT TOURS
'Tis the season to see the colorful limestone caverns lit by festive glow at Lewis & Clark Caverns. Tour dates are Dec. 22 and Dec. 27-29. Eight tours are offered from 10 a.m. to 2:30 p.m. each day. For tickets, call the visitor center at 406-287-3541 between 8:30 a.m. and 4 p.m. daily. Tickets are \$20 for adults (12 and up), \$8 for children (6 to 11). Children 5 and under are discouraged from attempting the tour. Tour size is limited, and tickets are non-refundable.

'THE FAMILY MAN'
Cutler Bros. Productions fourth annual Christmas production, "The Family Man," will be staged at 2 p.m. in Deer Lodge. Tickets for "The Family Man" are \$18 (general admission without a reservation) and \$15 for adults and \$12 for children under 10 (with a reservation). Reservations are recommended by calling the Cutler Bros. box office at 406-846-4096. For more details, go to cutlerbros.com or the Cutler Brothers' Facebook page.

■ **Online:** For more event listings, visit our website at EventsInButte.com

AREA SNAPSHOTS

Lantern lighting ceremony Jan. 1

A lantern lighting ceremony will be held 7 p.m. Wednesday, Jan. 1, at the Original Mine. The free event is sponsored by the Jacob Wheeler Foundation and is intended to provide some healing for those suffering the suicide loss of a loved one, honor the lives lost to suicide, and provide hope to those suffering from depression. Lanterns will be provided. Donations are accepted for the lanterns, and all proceeds will benefit the work of the Jacob Wheeler Foundation.

Variety show honors Vietnam vets

ANACONDA — The Anaconda Elks Lodge, 223 Main St., will host a variety show extravaganza, "A Slice in Time," from 3 to 6 p.m., Sunday, Dec. 29, as a fundraiser for the Anaconda Veterans Memorial. There will be tribute performances to Elvis, Patsy Cline, Sonny and Cher, Johnny and June Cash, and many more. Come enjoy comedy, music, and dancers with the whole family. The cost is \$12 per person and children six and under are free. Tickets available at the Copper Crown. Details: 406-560-4143.

Uptown Toasters Announce Winners

Top O' the Mornin' Toastmasters weekly winners included Cheryl Mulholland, best speaker; Mandi Kambic, best topic respondent; and Nikole Koefeld, best evaluator. The next meeting will be held at noon on Tuesday, January 7 at the Butte Archives, 17 W. Quartz St. Details: 406-782-3280.

LOTTERY NUMBERS

Here are Saturday's winning numbers:	MONTANA CASH 8- 23- 24- 42- 45 Jackpot: \$90,000 With Max Cash: \$418,489
BIG SKY BONUS 3- 4- 8-13 Bonus Number: 5 Jackpot: \$34,431	POWERBALL: 19- 31-35-50-67 -14 Power Play: x2 Jackpot: \$171 million
LOTTO AMERICA 4-17-29-40-51 Star Ball: 8 All Star Bonus: x3 Jackpot: \$6,260,000	For more information, visit www.montanalottery.com .

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FLAG FLIES AT STATE CAPITOL

Gov. Steve Bullock helps raise the flag of the Little Shell Band of Chippewa Cree Indians Friday at the state Capitol building. The U.S. Senate voted Tuesday to federally recognize the Montana tribe, sending the measure along for presidential approval. The flag was to fly above the Capitol building for the next 24 hours.

GARY MARSHALL, BMGPHOTOS.COM

AT THE YMCA

The Butte YMCA will be closing at 3 p.m. on Christmas Eve, Dec. 24, and will reopen at 5 a.m. on Dec. 26. The staff and volunteers would like to wish everyone a safe and happy holiday. Other highlights:
■ Cross Training, Monday from 12:10 p.m. to 1 p.m.
■ Classic Yoga, Tuesdays

from 10 a.m. to 11 a.m.
■ Spartan Strong, Wednesday from 12:10 p.m. to 1 p.m.
■ Guts and Butts, Thursdays from 12:10 p.m. to 1 p.m.
■ Line Dancing, Wednesdays from 1:30 p.m. to 3 p.m. and Thursdays from 7 p.m. to 9 p.m. with the Klobucar's.
■ Shawn T's Beach Body Transform (New 30 Minute Step Class), Tuesdays

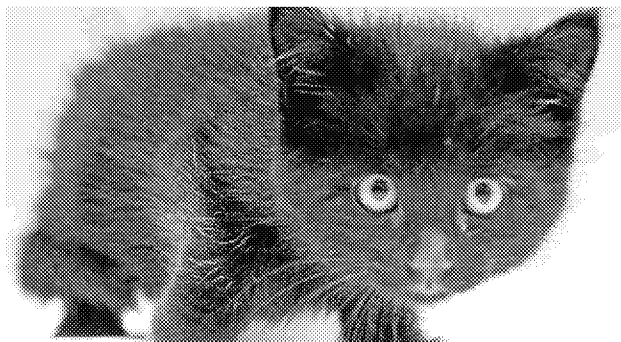
PINTLER PET OF THE WEEK



Beautiful beth

Beth is one of our three pups looking for a home. She is sweet, loving, and is good with everyone including cats. Beth has a little bit of many breeds in her heritage making her have 'hybrid vigor'. Go Beth!
Details on Pintler Pets or if you are missing a pet, call 406-563-7464. Hours are 1 to 4 p.m. Tuesday through Saturday, or by appointment. Mailing address: P.O. Box 1204, Anaconda 59711. Needed: donations toward our heat bill.

FOUR PAWS PET OF THE WEEK



Happy Henry

Greetings. You met my brother Humphrey last week so I thought I'd show off a bit this week. I'm Henry, a playful little guy. I shy away at being picked up at first but once you have me I lean into you and purr like crazy. We're hoping we get to go home together so we can continue playing with each other.
Details: Misty at 406-439-1405. Mailing address: P.O. Box 13, Cardwell, Montana 59721. Donations also appreciated.

US judge rejects bid to kill Keystone pipeline

ASSOCIATED PRESS

Environmentalists and Native Americans can proceed with lawsuits challenging President Donald Trump's approval of the Keystone XL oil pipeline from Canada, a federal judge in Montana ruled Friday. U.S. District Judge Brian Morris expressed skepticism over government arguments that Trump has unilateral authority

to approve the \$8 billion pipeline. In a separate ruling, the judge said the Rosebud Sioux and Fort Belknap Indian tribes had valid claims that approval of the line violated their treaty rights. But Morris denied a request from environmentalists to impose a court injunction blocking preliminary work on the pipeline, since no such work is planned until spring 2020.

Morris had blocked work on the line in 2018, prompting Trump to issue a new permit in March in an attempt to circumvent the courts. The 1,200-mile pipeline would transport up to 830,000 barrels of crude daily from western Canada to terminals on the Gulf Coast. Opponents worry burning the tar sands oil that will be carried by the line

will make climate change worse, and that it could break and spill into water bodies such as Montana's Missouri River. TC Energy of Canada first proposed the project more than a decade ago but has been unable to get past the numerous lawsuits against it. Trump has been a strong supporter and revived Keystone XL after it was rejected under President Barack Obama.

TODAY IN HISTORY

Today
Sunday, Dec. 22, is the 356th day of 2019. There are nine days left in the year.

Today's Highlight
On Dec. 22, 2010, President Barack Obama signed a law allowing gays for the first time in history to serve openly in America's military, repealing the "don't ask, don't tell" policy.

On this date
In 1808, Ludwig van Beethoven's Symphony No. 5 in C minor, Op. 67, Symphony No. 6 in F major, Op. 68, and Piano Concerto No. 4 in G major, Op. 58, had their world premieres in Vienna, Austria.
In 1894, French army officer Alfred Dreyfus was convicted of treason in a court-martial that triggered worldwide charges of anti-Semitism. (Dreyfus

was eventually vindicated.)
In 1941, British Prime Minister Winston Churchill arrived in Washington for a wartime conference with President Franklin D. Roosevelt.
In 1944, during the World War II Battle of the Bulge, U.S. Brig. Gen. Anthony C. McAuliffe rejected a German demand for surrender, writing "Nuts!" in his official reply.
In 1989, Romanian President Nicolae Ceausescu, the last of Eastern Europe's hard-line Communist rulers, was toppled from power in a popular uprising. Playwright Samuel Beckett died in Paris at age 83.
In 1991, the body of Marine Lt. Col. William R. Higgins, an American hostage slain by his terrorist captors, was recovered after it had been dumped along a highway in Lebanon.

In 1992, a Libyan Boeing 727 jetliner crashed after a midair collision with a MiG fighter, killing all 157 aboard the jetliner, and both crew members of the fighter jet.
In 2008, five Muslim immigrants accused of scheming to massacre U.S. soldiers at Fort Dix were convicted of conspiracy in Camden, N.J. (Four were later sentenced to life in prison; one received a 33-year sentence.)
In 2017, iPhone owners from several states sued Apple for not disclosing sooner that it issued software updates deliberately slowing older-model phones so aging batteries would last longer.

Birthdays
Actor Hector Elizondo is 83. Country singer Red Steagall is 81. Baseball Hall of Famer Steve Carlton is 75. Former ABC News anchor Diane Sawyer is 74. Rock singer-musician Rick Nielsen (Cheap Trick) is 71. Rock singer-musician Michael Bacon is 71. Golfer Jan Stephenson is 68. Actress Bern Nadette Stanis is 66. Rapper Luther "Luke" Campbell is 59. Country singer-musician Chuck Mead is 59. Actor Ralph Fiennes is 57. Actress Lauralee Bell is 51. Country singer Lori McKenna is 51. Actress Dina Meyer is 51. Sen. Ted Cruz, R-Texas, is 49. Actress Heather Donahue is 46. Actor Chris Carmack is 39. Rhythm-and-blues singer Jordin Sparks is 30. Pop singer Meghan Trainor is 26.
Worth Repeating
"Winter is not a season, it's an occupation." — Sinclair Lewis, American author (1885-1951)

Dual

From A1

point to dual enrollment as an important way to help more students make the leap to college.

“Students who have access to college credit courses while they’re still in high school, across the board, succeed at higher rates,” said Brock Tessman, deputy commissioner of academic, research and student affairs in the Montana Office of the Commissioner of Higher Education. “They’re more likely to go on to college, they’re more likely to have a higher GPA when they get there, (and) they’re more likely to finish on time, even when you account for all sorts of other variables.

“It’s a really an important part of our of our access story,” Tessman said.

The number of students taking dual enrollment courses in Montana is on the rise, increasing by about 1,000 students each year since the 2014-2015 school year and reaching 8,000 students earning credit in at least one college class in the 2018-2019 school year — an all-time high for the state, according to data from the Montana Office of the Commissioner of Higher Education.

But the “One-Two-Free” program is set to sunset after this school year, and the question of how to continue to fund dual enrollment looms in educators’ minds. At the same time, courses are often out of reach, literally, for Montana’s students most in need — those living in rural areas and on reservations. And as dual enrollment continues to gain traction, time spent in college can be shorter and thousands of dollars cheaper for urban students than it is for the state’s more rural and Native American students of lesser means.

“It’s just been such a meteoric rise that we know our next stage of growth is really about quality, and it’s about filling in those gaps and access on the reservations and in some of our most remote



TOM BAUER, MISSOULIAN

Dr. Connie Haan teaches a course in medical terminology at the Billings Career Center recently. The class is a dual enrollment course offered to high school students in Billings.

areas,” Tessman said.

High schools can offer dual enrollment in a variety of ways, but they have to partner, and each school is generally designated a regional two-year partner college.

Arlee High School offers Writing 101 and college composition for dual enrollment through Flathead Valley Community College, but it does not offer courses through the University of Montana or Salish Kootenai College. At the latter campuses, however, students can take courses online or on campus.

At St. Labre High School in Lame Deer, Elysia Bain, a high school teacher, is working with Chief Dull Knife College to find a way to offer a tribal government course for dual credit. The program is in its nascent stages there.

“I started talking about doing the dual enrollment with the tribal government after doing AP with U.S. history,” Bain said. “It does give the kids confidence in their own abilities, and it also gives them the idea that college is accessible.”

Although the number of the state’s smaller Class B and C schools that offer dual enrollment has increased from 69 to 93 from the 2014-2015 school year to 2018-2019 — a 35% increase — the course offerings at Class B and C schools often pale in comparison to schools in more urban areas. The barrier is the lack of high school educators at the state’s smaller schools who have the credentials required to teach

college-level classes.

Missoula County Public Schools, a AA district with three urban high schools, has several offerings at each school, in addition to Advanced Placement and International Baccalaureate classes that can help students earn college credit. This year, Hellgate High School offers seven options for dual enrollment, Sentinel offers 18 and Big Sky offers five. Students can also dually enroll in classes at the nearby University of Montana or Missoula College.

In contrast, Seeley Swan High School, the district’s satellite high school located in Seeley Lake, offers four dual enrollment courses.

Kellen Palmer, principal of Seeley Swan, said he foresees potential issues with offering the same courses in the future as some of his more veteran staff start to retire, especially because teachers may be stretched over more than one subject.

“It would be very difficult to hire for something where we need people with certifications and multiple disciplines just because we need someone that can do math and science, or English and social studies just because of our limited number of staffing options,” Palmer said.

Dual enrollment courses can help students enter college having already completed their required general education classes, which can sometimes deter students from pursuing their major. In particular, Montana educators point

to required math courses as a stumbling block for some students when they enter college.

“There’s a correlation between remedial math and retention rates for those students, and if students can get that out of the way, they’re going to be more likely to succeed,” said Nicole Lindgren, a math teacher at Helena High School who teaches several dual enrollment classes.

Arlee High School principal Jim Taylor said his school has tried to offer a math dual enrollment course as a way for students to remove that obstacle when they get to college, but the school lacks a teacher who meets the qualifications.

Montana requires high school teachers to have a master’s degree in the subject area of the course in order to offer it for dual enrollment. Career and technical faculty are required to have a number of years of professional experience in their occupation, which may be combined with related post-secondary education. But as both urban and rural schools across the state grapple with teacher recruitment and retention, schools are struggling just to fill positions to pass state accreditation standards.

This year, Olson said Hardin High School approved four emergency teaching licenses to fill positions, including a math teacher.

“It has been extremely difficult,” Olson said. “There are a lot of out-of-state schools that are hiring right on the spot. They pay more money. They have sign-on bonuses. I think the state of Montana needs to try to do something for teacher recruitment.”

In 2016, in response to the teacher shortage, OCHE created the Rural Recruitment and Retention Task Force to increase the number of available educators interested in working in Montana’s public schools. A resulting report this month produced in partnership with the federally

funded Regional Educational Laboratory (REL) Northwest found that in the 2017-2018 school year, districts in Montana were challenged or unable to fill 62% of positions in short-age subject areas, such as math and science, and rural administrators reported greater difficulties.

To make headway, the Montana Legislature passed bills in the 2017 legislative session that provide loan

repayment and stipends for educators working in targeted rural and/or impoverished schools.

Angela McLean, OCHE’s director of American Indian/Minority Achievement and K-12 Partnerships, said the office is working with campuses to support more schools and “make sure that every student has an opportunity for face-to-face classroom instruction.”

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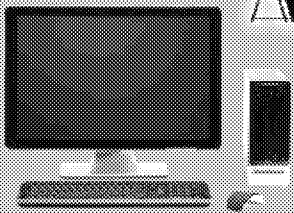
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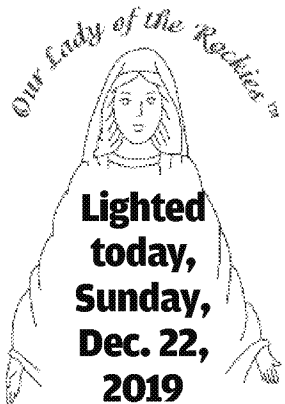
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OBITUARIES



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Death records will run free of charge and include name of deceased, date of death, age and location. Other obituaries are \$11 per column inch Monday - Saturday and \$13 per column inch on Sunday. Additional charges may apply based on color inclusion and digital services. Photographs should be submitted with the obituary. For details, call 406.496.5553 (daytime), or 406.496.5568 (evenings). The deadline for publication is 3PM for the next day's newspaper.

Glen E. Gribble, 88

Feb. 27, 1931- Dec. 10, 2019



Glen E. Gribble passed away on December 10, 2019. Glen was born in Butte, Montana, on February 27, 1931, to Irene and Tom Gribble. Glen attended local schools and graduated from Butte High School in 1949. Following graduation, he was employed by the Montana Power Company until 1951, when he joined the Marine Corps.



Glen was deployed to Korea with D Company, 1st Engineer Battalion, 1st Marine Division. His tour lasted from June 1951 to July 1952. Following deployment, Glen was stationed at Pearl Harbor, Hawaii, until his discharge in February 1954.

On June 1, 1953, Glen married his childhood pal, Delores Dallas, and they traveled through life together for over 60 years, until her death in 2013.

After his discharge from the Marine Corps, Glen returned to Montana. He was employed by Mountain Bell as an apprentice lineman. He served as a lineman in various western Montana towns, but quickly became a manager. He retired in 1986 after a 32-year career, which spanned Mountain Bell's transitions to US West and Qwest.

Glen and Delores had three children, Stephen, DeeAnn, and David, seven grandchildren, and four great-grandchildren.

Glen was a great husband and father who taught his children the value of integrity and resiliency, and the love of the outdoors. Family activity was his greatest pleasure, and there were many family adventures, skiing, boating, camping, and hiking. One of his passions was his cabin on the Missouri River where, after a good day of work, he could be found on the river pulling a water skier, hiking with Delores, or sitting on the deck with a pipe, enjoying the sunset.

Time to "come on through." We will miss you greatly, Dad and Grandpa. Semper Fi.

Cremation has taken place and there will be no formal service. Please visit www.aswfuneralhome.com to offer a condolence to the family or to share a memory of Glen.

Lawrence William 'Larry' Crosby, 78

Aug. 31, 1941- Dec. 6, 2019



Lawrence William "Larry" Crosby passed away on December 6, 2019, at home after a long illness. He was born on August 31, 1941, to Lois and James Crosby in Butte, MT.

Larry graduated from Butte High School. He worked as a mechanic and truck driver for the Anaconda Company and Montana Resources.

His family and friends will always remember Larry as a kind and helpful man

and a loving father. He enjoyed being involved in car shows with his car, and traveling with his wife and dogs in their motorhome.

Larry is survived by his loving wife of 58 years, Mary Lou, and daughter, Kim (Charles) Wells. He is also survived by the light of his life, his companion, Bonaparte. All of his dogs always gave him unconditional love.

The family would like to thank Jeff and Joanne Wright, Ray and Kathy Pascoe, and Jim Tweet for their friendship.

No services are planned at this time. Memorials may be made to a charity of the donor's choice.

Please visit www.buttefuneralhome.com to offer the family a condolence or to share a memory of Larry. Axelson Funeral and Cremation Services has been privileged to care for Larry and his family.



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Mark William Ahlborn, 62

April 3, 1957- Dec. 15, 2019



Mark William Ahlborn was born on April 3, 1957 in Warren, Ohio to William "Pap" Ahlborn and Joan "Doamie" Hastings Ahlborn. Mark passed away unexpectedly and peacefully in his home on December 15, 2019, in Butte, Montana, at the age of 62. Mark was fortunate enough to move around from Ohio to Michigan, and then to Pennsylvania in his youth. He graduated from Upper Saint Clair High School, in Pittsburgh in 1975. After high school Mark began his career as an underground coal miner at the Vesta 5 Mine in Vestaburg, PA. In 1977 Mark met his future wife, Karla J. Brombacher. On January 1, 1979, Mark and Karla left Pennsylvania and moved to Winter Park, Colorado. They then moved to Greeley, Colorado where Karla finished her degree at the University of Northern Colorado. Their next move was to Wallace, Idaho where Mark worked at the Sunshine Mine as an underground silver miner. Mark and Karla were married in Wallace, Idaho on September 5, 1979. They moved to Missoula, Montana in 1983, and in October 1984 they welcomed their first child Aynsley. His interest in furthering his career and education in mining lead him to "Harvard on the Hill" Montana Tech in Butte, Montana. During this time Mark and Karla welcomed their second child Brant in June, 1995. Mark graduated with a degree in mining engineering in 1997. From there the world was his mine. Mark mined in Alaska, Ireland, Nevada, Canada, and Mongolia.

Aside from mining, Mark was an accomplished musician and home chef; most of which was inspired by his extensive travels. However, his greatest accomplishment and pride was being a dad. In 2007 Mark and Karla adopted their daughter Callie. A year later they adopted their daughter Hailey. In 2010 they adopted their daughter and son Lily and Will. Not stopping there, they welcomed into their home their final son, Jesse. To him family meant teaching his children that no matter what, "You are who you are and your journey is yours." -Mark.

To those who had the pleasure of being in Mark's presence they knew him as "The King of Fun." Mark had several interests and hobbies including hiking, fishing, camping, and the great outdoors, and he was a collector and connoisseur of "ugly shirts." Mark was a jack of all trades and could fix anything while improving upon the original design. Mark enjoyed sharing all his ideas and thoughts to everybody around whether you listened or not. Mark always asked, "What's going on?" because he cared about others before he cared for himself.

Mark is survived by his wife, Karla; sisters, Sandra Roderick, Jenifer Donnelly, Leslie and Holly Ahlborn. His children, Aynsley, Brant, Jesse, Hailey, Callie, Lily, and Will. His grandchildren, Genevieve, Octavian, Xavier, Brittany Downey, and Jacklyn Jae. His in-laws, John Roderick, Tom Donnelly, J.B. and Karen Brombacher, Bob Brombacher, Carolyn Brombacher, Edward Downey, Kate Reinke; and his mother-in-law Anna Young. His nieces and nephews, Kelly and Hannah Donnelly, William Roderick, and Bria and Jaden Brombacher. Mark was proceeded in death by his parents William and Joan Ahlborn; father-in-law Fred Brombacher; his sister-in-law Barbara Brombacher; and his grandparents, Mary and Henry Relihan Hastings and Josepha and Ray Ahlborn.

The visitation will be held at Holy Spirit Catholic Church on Friday December 27, 2019 at 10:00 a.m. with the Funeral Mass to follow at 11:00 a.m.

In honor of Mark, memorials may be made to Butte Central Education Fund or Holy Spirit Catholic Church.

"Tap 'er Light" and Rest in Peace our King of Fun, Mark Ahlborn.

Irma Louise Harrison, 95

May 9, 1924- Dec. 19, 2019



voices the sentiment of a myriad of friends extending congratulations."

Irma went home to be with her Lord and Savior and all of her sisters and brothers on December 19, 2019 in Dillon, Montana.

She was raised in Jackson, MT with four sisters and two brothers. One brother, Johnny, was killed by a .22 gun in a trapping accident on April 1, 1941.

The younger years of her life were spent in Jackson, MT with much of her schooling taking place there. During warm weather they rode horses to school. In the winter they rode in a buggy to school with hot water bottles and hot bricks to keep them warm.

Later they moved to 125 South Railroad in Dillon where many a Big Hole Valley/Grasshopper Valley student were housed (or anybody that needed a bed). She graduated from Beaverhead County High School in May 1942.

She loved to sing and had an amazing voice. Because of this, she was accepted to a college in Minnesota on a vocal scholarship. She was headed that way until she realized how far she would be from her family and then chose to attend the Butte Business College. After graduation, she worked as a secretary at the Bagley School and was clerk of the Nelson School District #2.

She then welcomed her daughter Rose Marie on November 18, 1943.

On June 12, 1947 she married Bud Harrison in Whitehall, Montana. The couple moved to the Harrison Ranch north of Dillon. Together they welcomed Robert Dwight Harrison on July 3, 1955. She and her husband Bud worked on the ranch until Bud's death in 1964. She was an amazing cook and often cooked all of the meals for the ranch crews.

After Bud's death in 1964 she moved to Dillon and worked at the Dillon Veterinary Hospital, Hazelbaker Title Company and Eliel's Department Store. She was then appointed as the head clerk at the State Liquor Store in Dillon where she worked until her retirement in 1985.

Her family was incredibly important to her and she spent much of her time with her sisters and brother and their families. It is truly the end of an era as she was preceded in death by all of her brothers and sisters. These include brother Johnny Jackson, sister Mae Nelson, brother Robert Jackson, sister Eda Shepherd, sister Ruth Harrison, and sister Catherine Cheek.

She is survived by her son Robert Harrison, daughter Rose Marie Puyear (Don), granddaughter Cindy Wood (Zane), grandson Shane Puyear (Lacie), great-grandchildren Shayla, Kyra, Parker and Paxton as well as numerous nieces and nephews.

She loved music, the New York Yankees, Beaver basketball and football and a good joke (which often made us blush). She lived her life to the absolute fullest, loved children and dogs, and loved to see people smile. She will be missed immensely.

Funeral Mass will be held Saturday, December 28, at 11:00 a.m. at St. Rose Catholic Church in Dillon. Visitation will be Friday, December 27, from 5:00 p.m. to 7:00 p.m. with a Vigil and Rosary immediately following the visitation.

Ravalli group aims to separate Bitterroot College from UM

PATRICK REILLY
patrick.reilly@missoulain.com

A group of Ravalli County residents is working to separate Bitterroot College from the University of Montana.

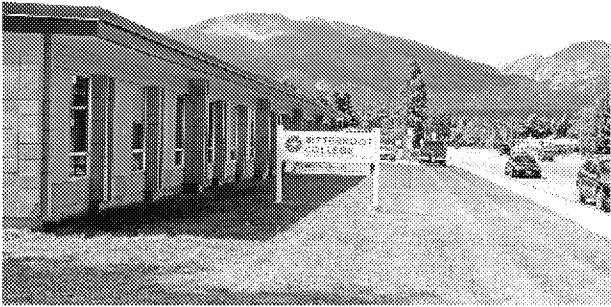
The Hamilton-based school currently has 116 students, according to the UM data office, and it operates as part of the flagship. Under the current arrangement, Bitterroot College is unable to receive federal education funding and can't attend college recruiting events.

A group called the Ravalli County Workforce Alliance has been circulating a petition to establish it as an independent community college supported in part by a local taxing district.

On Thursday, one leader of the alliance, Steve Grover, told the Ravalli County Commissioners the group had collected 4,000 of the necessary 5,360 signatures to place it on the ballot. As the Ravalli Republic reported earlier this month, the group will need to collect those signatures by Feb. 10 in order to place the issue on the county's May 2020 school district ballot.

"Ideally, we become independent and can really have control over curricula (and) actually be able to claim our students as our students," Grover told the commissioners.

Bitterroot College Advisory Council President



MICHELLE MCCONNAHA—RAVALLI REPUBLIC

A petition is circulating about adding a measure to the May ballot that would allow voters to decide to create Bitterroot Valley Community College, no longer Bitterroot College University of Montana but a state-recognized, locally-controlled community college.

Candy Lubansky earlier told the Ravalli Republic the goal is to create an independent community college that would focus both on providing local workforce training and offer an associate degree for those interested in continuing their college education.

"We want to be able to serve the needs of Ravalli County," Lubansky said previously. "We want to be able to offer a two-year associate of arts degree as well as training in the trades that local employers need. ... By being independent, we would have the flexibility to develop and deliver the kind of training that companies right here in the valley require."

The Ravalli County Workforce Alliance aims to estab-

lish an independent school, Bitterroot Valley Community College, managed by a seven-member board and supported by a mixture of state funds and local property taxes. The group's ballot initiative would establish a special taxing district, composed of every school district in Ravalli County except for Florence-Carlton, which would raise \$650,000 per year through a mandatory levy of 8.86 mills. That comes out to about \$11.95 per year for a residential property worth \$100,000.

At Thursday's meeting, Ravalli County Commissioner Jeff Burrows said the project's costs needed more clarity. "I'm not comfortable with what's being presented right now," he said. "I

like the concept of it, I think we need it, but I think people need to be told 'Here's how much it's going to cost you.'"

Grover said he could return with more specifics about the financing.

UM has been struggling with enrollment but did not have a position on the proposal Friday.

"Providing an accessible, affordable, quality education for students in the Bitterroot Valley is important," spokesperson Paula Short said in an email. "We are aware of the proposal and interested in learning more about the details as they emerge."

Ravalli Republic reporter Perry Backus contributed to this story.

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capability is as serious about this as they appear to be,” he said.

“This project is on a scale that is not necessarily common in Montana,” Sesso said. “They came and recognized that we have a source of water, and that we would also have a good spot for them to build a plant.

“Any way you look at it, this could be a big win,” Sesso said. “Talk about lemons to lemonade — making renewable energy from Berkeley Pit water is a heck of a concept with a lot of merit.

“We hope next steps are imminent.”

Gov. Steve Bullock “met briefly with Mitsubishi Hitachi Systems for the first time last week ahead of the group’s participation on a panel at the Climate Solutions Council meeting on the topic of innovation and the deployment of new technologies that can reduce emissions and prepare the state for climate impacts,” Bullock’s spokesperson, Marissa Perry, said. “The brief meeting offered a chance for the governor to learn about Mitsubishi Hitachi’s efforts to develop a renewable hydrogen energy storage project that would involve a mix of generation, transmission and storage facilities in Utah, Idaho and Montana.

“While in early stages of conceptual development, the project offers a potentially significant regional solution to energy storage that can complement greater expansion of renewable resources across the West.”

Mark Thompson of Montana Resources also called the project “an exciting possibility,” but cautioned that “there are lots of questions that have to be answered and a lot of steps that would need to be taken before it became reality”

He said MR’s most recent conversation with MHPS was “a couple of months ago.”

Both Thompson and Sesso said there have been no shortage of schemes to take advantage of Berkeley Pit water over the years, but what separates this one is the stature of the company.

Mitsubishi Hitachi Power Systems competes globally with companies like General Electric and Siemens on large power plants.

The 150-year-old company has 21,000 employees and 57 companies within the overall group. It has booked more than \$20 billion in orders for 2020, and its goal is to

become the global leader in power generation.

After initially preparing to answer about a dozen questions about the project from The Montana Standard, a Mitsubishi Hitachi Power System America spokesperson said last week the company had decided not to issue any comments or answer questions because the project is in such preliminary stages.

But here is a look at what we know about the various pieces of the puzzle:

Intermountain Power Plant

The Delta, Utah, plant is owned by the Intermountain Power Agency, a cooperative comprised of 23 municipalities in Utah and six in California, and operated by the Los Angeles Department of Power and Water.

One of the largest power plants in the country, its production capacity, as currently equipped, is 1,900 megawatts. The first unit was built in 1981 and the second in 1987, at a cost for both of \$4.5 billion. The plant was initially designed for four units, but only two were built. A third unit was projected to be added in 2012 but Los Angeles canceled it because of carbon concerns, prompting a lawsuit from the power agency.

ACES (Advanced Clean Energy Storage)

Over the past 50 years, Mitsubishi Hitachi Power Systems has been developing “significant expertise” in designing turbines that can operate with fuels with from 5 to 90 percent hydrogen content. Often, these fuels have been refinery off-gas, blast-furnace gas and syngas produced from gasification.

The company says it is the “world leader in hydrogen combustion technology.”

The ACES project in Utah pairs that expertise with salt-dome storage, something usually seen in the Gulf Coast area, where three current projects involve hydrogen storage in salt domes. (Many other such caverns contain hydrocarbons, like the Strategic Petroleum Reserve, which consists of 570 million barrels of crude stored in salt domes along the Gulf Coast.)

The Utah salt-dome formation is enormous. Five current caverns are currently in use in the ACES operation; approximately another 100 are available.

Using this storage for “green”

hydrogen would make a project like the renovated Intermountain plant sustainable long-term. Adams, the Los Angeles Department of Water and Power general manager, said this month that hydrogen is a key solution in the city’s renewable energy plans.

ACES is projected to be the world’s largest renewable storage project.

MHPS says its technology eventually will lead to the ability to use 100 percent renewable hydrogen as a fuel source, resulting in gas turbines producing electricity “with zero carbon emissions.”

De-carbonizing the Western Grid

State policies across the West vary, but — with the notable exception of Montana — many have ambitious de-carbonizing goals that are moving closer and closer.

For instance, Washington state is aiming for zero coal use by 2025 and zero carbon by 2035. Oregon wants to get to zero coal by 2035 and 50% renewable by 2030.

Idaho is simply aiming at 100 percent “clean energy” by 2035. Nevada, like Oregon, wants to hit the 50 percent renewable mark by 2030 and be carbon free by 2050.

California has mandated 100 percent renewable by 2045, and the city of Los Angeles wants to reach 100 percent clean energy by 2035. So this project fits perfectly into the city’s (and California’s) rigorous self-imposed de-carbonization deadlines.

Despite several efforts in the Legislature in recent years, there are no articulated official policy goals for de-carbonization in Montana. When Bullock created his Council on Climate Solutions, one of its goals was to come up with a plan for net greenhouse gas neutrality by 2035, but that carries no legal weight, and whether the council itself will even survive under Montana’s next governor is uncertain at best.

Nevertheless, the four-unit Colstrip coal-fired power plant is deeply affected by the goals of other states in the West, and a plan like Mitsubishi’s would inevitably have a ripple effect in Montana.

Others have confirmed that NorthWestern Energy met with Mitsubishi representatives. Asked about the potential project, utility spokesperson Jo Dee Black said only, “NorthWestern Energy encourages innovation. If this could result in a capacity source, it may be proposed in the RFP that will be

issued by NorthWestern Energy soon.”

Hydrogen pipeline

The hydrogen pipeline is a key step, the way to get the hydrogen that could be produced from Berkeley Pit water to the salt-dome storage in Utah. It’s a 450-mile pipeline, which sounds daunting, but a 310-mile hydrogen pipeline between Texas City, Texas and Lake Charles, Louisiana, is currently in use, so it’s not experimental in nature.

Butte electrolysis plant

Similarly, the process of removing hydrogen from water using electrolysis on a commercial scale is more than half a century old — the first large-scale electrolysis system began operation in 1940 — and the process has become much more efficient in recent years. About 5% of hydrogen gas produced worldwide is created by electrolysis, according to MHPS.

The two primary technologies available on the market are alkaline and proton exchange membrane (PEM) electrolyzers. Alkaline electrolyzers are cheaper in terms of investment (they generally use nickel catalysts), but less efficient; PEM electrolyzers, conversely, are initially more expensive (they generally use expensive platinum-group metal catalysts) but are more efficient and can operate at higher current densities, and can therefore actually become cheaper if the hydrogen production is large enough.

Cost is key to the sustainability of the process. If hydrogen can be produced on a large enough scale, it becomes economically competitive as a fuel for projects like MHPS envisions.

The construction and operation of such a plant would be a significant economic driver for Butte. How many jobs it would provide is not known.

Joe Willauer, Butte Local Development Corp. president, said he is “uncomfortable saying too much” about the potential for such a facility, “because it’s very preliminary, but it’s definitely on our radar.” Like Butte-Silver Bow’s Sesso and Byrnes, he said the attractiveness of such a project for Butte is undeniable, and made all the more interesting by MHPS’ stature.

Berkeley Pit water

The reason the Berkeley Pit water is so attractive in the scenario MHPS lays out is that there are very few places in the West where

such a large water right might be for sale — and the recently completed polishing plant and a mandate for perpetual pumping and treatment mean lots of water will be available for a long time.

The current Pit “plumbing” — MR’s Horseshoe Bend Treatment Plant and the polishing plant recently built by Atlantic Richfield — is capable of putting out some 10 million gallons a day. The currently operating pilot project is putting about 6 million gallons a day into Silver Bow Creek.

Also, Atlantic Richfield announced in May it was considering a plan to build a new treatment plant because of concerns that Horseshoe Bend could be in the path of a tailings dam failure at Yankee Doodle tailings pond. In concert with that, the company said it is interested in drawing down the level of the water in the Pit by 50 to 150 feet. Those two decisions would make a lot more water available.

Atlantic Richfield did not respond last week to questions about the project.

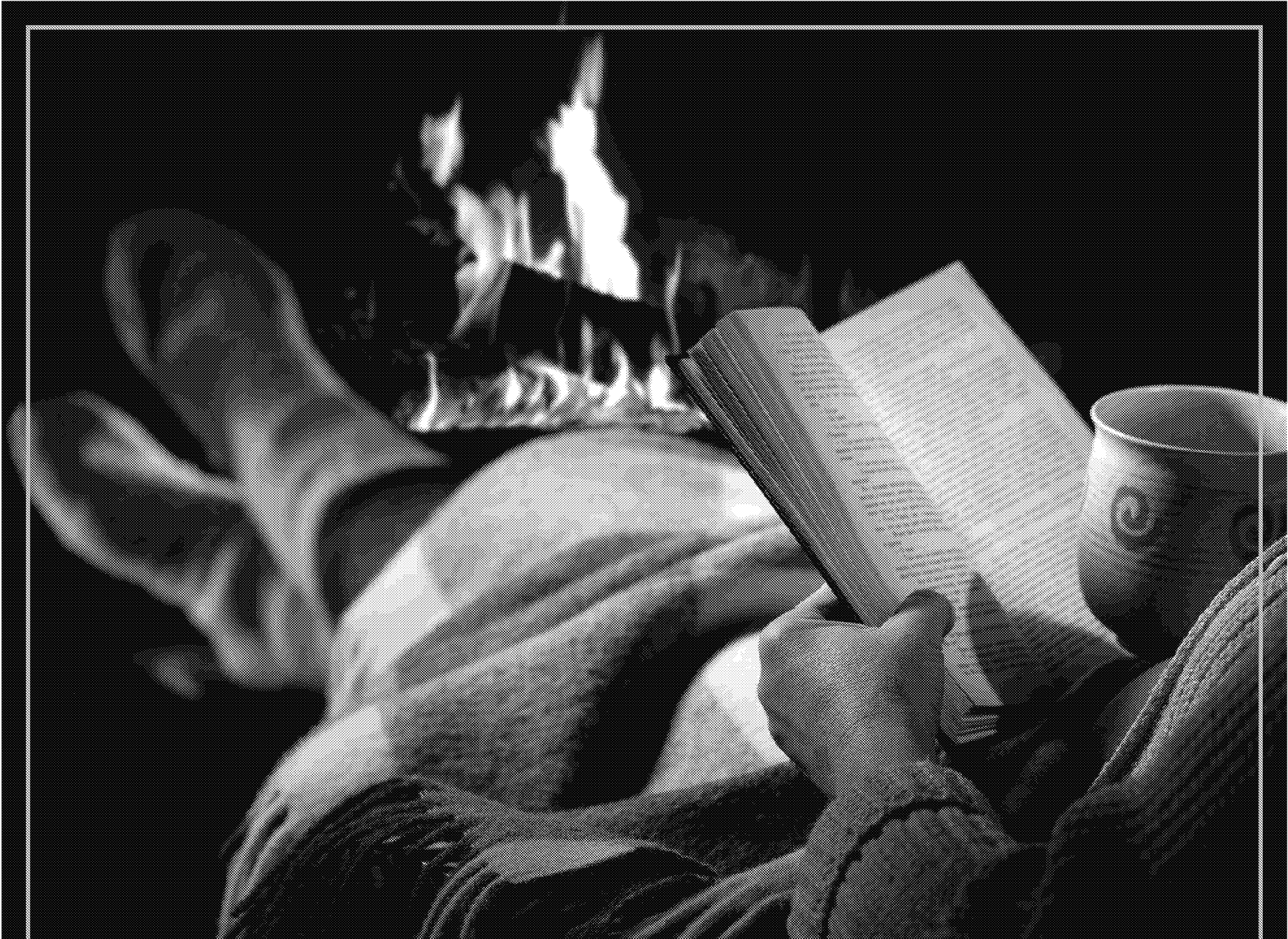
If the water level in the Pit did drop, for reasons of this project or any other, the what-next possibilities are intriguing, to say the least. Water would continue to flow to the Pit, from groundwater and flooded mine shafts, so pumping will continue in perpetuity. But if the Pit were dewatered, options could include using it for tailings storage, potentially significantly lengthening the life of active mining. And, mining experts say, one of the richest remaining ore bodies on Montana Resources property is the area between the Berkeley and Continental pits. Dewatering could potentially open new areas for mining.

The other intriguing question about a potential electrolysis operation is: Who actually owns the 53 billion gallons of water in the Pit?

MR might make a case that because it controls the source point for the water, the water right would go to them. Also, because it owns the Horseshoe Bend treatment plant, that might give the mining company rights to water from that plant. MR is currently extracting a significant amount of metals from the water being treated.

Ownership of the Pit water could be quite lucrative if a large-scale customer for the water like MHPS were to emerge.

Certainly, in the case of such a project, “the water right situation with the Pit water would have to be sorted out,” MR’s Thompson said Friday.



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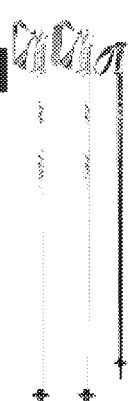


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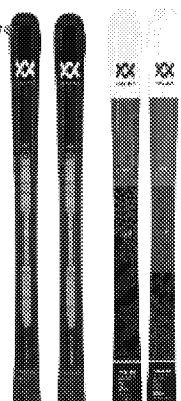
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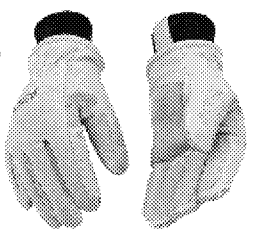
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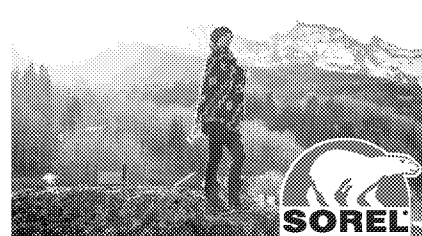
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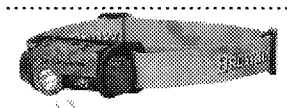
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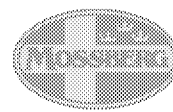
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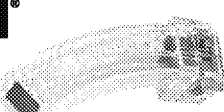


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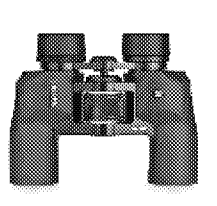
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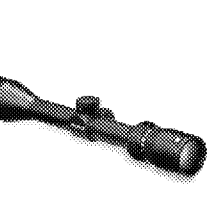
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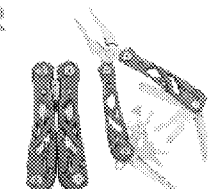
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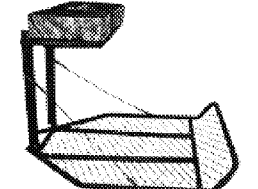
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BUTTE’S FIVE-DAY FORECAST

TODAY	TONIGHT	MONDAY	TUESDAY	WEDNESDAY	THURSDAY
Times of clouds and sun	Partly cloudy	Mostly cloudy, snow showers	Mostly cloudy	Considerable cloudiness	Clouds and sun
WIND SSE 4-8 mph	WIND S 3-6 mph	WIND WSW 4-8 mph	WIND VAR 2-4 mph	WIND VAR 2-4 mph	WIND WSW 3-6 mph
41°	20°	36° 14°	32° 13°	30° 5°	25° 6°

REGIONAL OUTLOOK

Clouds and sun today. Partly cloudy tonight. Mostly cloudy tomorrow. Periods of snow, accumulating up to an inch in the north and central parts; a bit of snow and rain at times with little or no accumulation in the west. Tuesday: mostly cloudy; a snow shower in the south.



REGIONAL FORECAST

City	Today	Monday
Anaconda	44/25/pc	37/17/c
Billings	52/31/pc	50/28/pc
Boulder	43/24/pc	38/17/sn
Bozeman	47/23/pc	41/19/c
Dillon	44/23/pc	35/18/c
Drummond	45/24/pc	39/20/c
Great Falls	51/28/s	45/22/c
Helena	46/26/pc	42/22/c
Livingston	54/33/pc	47/24/c
Miles City	47/22/c	45/21/pc
Missoula	43/26/pc	38/21/sn
Three Forks	44/20/pc	41/18/c
Twin Bridges	42/21/pc	35/18/c
Whitehall	44/25/pc	37/20/c

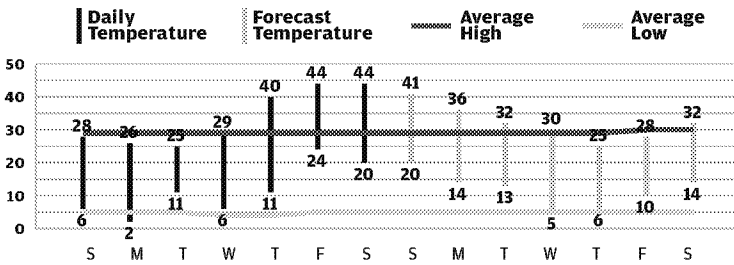
Snowfall

24 hrs through 3 p.m. yest.	0.0"
Month to date	0.1"
Normal month to date	6.8"
Season to date	20.9"
Normal season to date	21.3"

Jefferson Snowpack

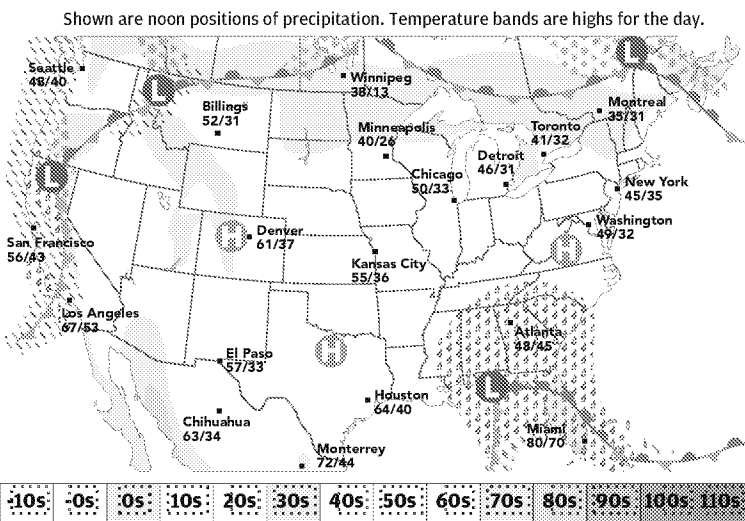
	Elevation	% Normal
Albro Lake	8300 ft.	103%
Barker Lakes	8250 ft.	104%
Basin Creek	7180 ft.	117%
Bloody Dick	7600 ft.	81%
Calvert Creek	6430 ft.	46%
Clover Meadow	8600 ft.	80%
Mule Creek	8300 ft.	89%
Basin average		90%

TEMPERATURE TRENDS



NATIONAL OUTLOOK

The Southeastern states will experience rounds of heavy rain and gusty winds today, while thunderstorms could turn severe across Florida. Meanwhile, a storm will dive southward across California bringing rain and mountain snow. The remainder of the country will be dry with mild air stretching from the Southwest to the Northeast.



City	Today	Monday	City	Today	Monday
Albuquerque	51/27/pc	48/31/pc	Los Angeles	67/53/r	57/47/r
Anchorage	12/10/s	20/17/sn	Louisville	55/34/pc	57/33/s
Atlanta	48/45/r	55/52/r	Memphis	52/42/r	61/38/s
Atlantic City	48/28/pc	54/31/pc	Miami	80/70/t	78/60/t
Austin	63/32/s	70/35/s	New Orleans	59/50/sh	62/51/pc
Baltimore	49/28/pc	51/32/pc	New York	45/35/pc	50/36/s
Birmingham	52/48/r	57/46/r	Oklahoma City	56/33/s	61/37/pc
Boise	54/34/c	46/29/pc	Omaha	53/30/s	50/30/pc
Boston	44/34/s	50/36/s	Orlando	72/64/r	70/53/r
Brownsville	69/42/s	71/49/s	Pensacola	58/49/r	60/51/r
Buffalo	42/36/s	47/32/s	Philadelphia	46/31/pc	50/33/s
Charleston, SC	56/52/r	65/55/r	Phoenix	73/52/pc	70/53/pc
Charleston, WV	54/30/pc	57/29/pc	Portland, ME	41/26/s	45/30/pc
Charlotte	53/42/r	51/48/r	Portland, OR	47/40/sh	47/33/pc
Chicago	50/33/pc	48/33/pc	Raleigh	54/41/c	52/46/r
Cincinnati	50/29/pc	52/29/s	Rapid City	52/27/pc	49/27/pc
Cleveland	47/32/pc	52/31/pc	Reno	50/24/pc	40/24/r
Colo. Springs	59/35/pc	59/34/c	Sacramento	56/38/r	55/36/c
Columbus	44/28/pc	49/29/s	St. Louis	55/31/s	59/37/pc
Dallas	57/34/s	64/39/s	Salt Lake City	49/31/pc	46/33/c
Denver	61/37/pc	57/31/c	San Antonio	66/36/s	70/39/s
Fairbanks	-20/-26/pc	-9/41/pc	San Diego	67/53/pc	62/51/r
Fargo	35/19/pc	28/19/pc	San Francisco	56/43/r	54/45/s
Honolulu	80/73/c	83/72/c	Seattle	48/40/pc	46/34/pc
Houston	64/40/pc	69/43/s	Spokane	43/33/c	38/26/sn
Indianapolis	44/28/pc	49/29/s	Tampa	71/62/r	68/56/r
Juneau	38/34/sn	38/34/sf	Tucson	72/46/pc	70/49/pc
Las Vegas	56/41/pc	56/43/r	Wash., DC	49/32/pc	52/35/pc

National Extremes Yesterday for the 48 contiguous states
High: 82° in Key West, FL **Low:** -17° in Crested Butte, CO

WORLD FORECAST

City	Today	Monday	City	Today	Monday
Acapulco	86/75/s	86/75/pc	Moscow	40/37/c	46/40/r
Amsterdam	49/43/r	48/41/pc	Nairobi	74/60/pc	75/62/t
Baghdad	66/43/pc	64/44/c	New Delhi	67/45/pc	67/46/pc
Beijing	40/19/pc	36/23/pc	Oslo	34/32/c	35/32/c
Buenos Aires	75/60/s	81/68/s	Paris	51/45/sh	51/45/r
Cairo	69/50/s	69/55/s	Rio de Janeiro	89/74/t	81/72/t
Dublin	46/40/pc	46/37/pc	Rome	62/49/sh	61/40/s
Hong Kong	73/65/pc	72/66/s	Singapore	85/77/t	87/77/t
Johannesburg	80/60/pc	80/61/pc	Stockholm	41/34/sh	37/33/c
Lima	75/67/c	76/68/c	Sydney	71/67/c	75/70/c
London	50/43/pc	50/42/pc	Tokyo	50/43/r	52/44/r
Madrid	56/40/pc	55/41/pc	Vancouver	46/33/c	42/34/pc

W-weather, s-sunny, pc-partly cloudy, c-cloudy, sh-showers, l-ice, r-rain, t-thunderstorms, sf-snow flurries, sn-snow

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-Bob Hope

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BUTTE CENTRAL BASKETBALL

Central boys win, girls fall to Stevensville



EVAN REIER 406MTSPORTS.COM

Butte Central's Ryan Wahl sunk three three-point shots in the Maroons' 51-36 win over Stevensville at the Maroon Activities Center Saturday.

EVAN REIER
406mtsports.com

Five is pretty nice for the Maroons. Butte Central defeated Stevensville 51-36 to hit 5-0 on the season and continue their momentum ahead of Monday's crosstown clash with Butte High. Maroons head coach Brodie Kelly was pleased by a mostly strong performance, crediting the way Central defended and passed, but that the Maroons still need to turn good possessions into baskets.

"Beside the last four or five minutes," Kelly said. "I thought we guarded well the whole game. We moved the ball well and got a lot of looks that we wanted. I just feel that we have to close the deal

on a lot of possessions, we didn't shoot a real high percentage."

After a slow first quarter that saw Central and the Yellowjackets combine for just 20 points, the Maroons responded by scoring 33 points over the next two quarters to give themselves plenty of distance from Stevensville.

Yellowjackets head coach Nate Fry credited the Maroons for disrupting Stevensville's offense, as Fry's team was held to just 14 points in the first half, and also talked about how his team is responding to the challenge of searching for a first win.

"Central's a really, really good team," Frye said. "It's really hard to run our stuff, because they jam everything.

They're so well-coached on defense... We haven't won a game so we're still trying to get over that hump. It was a big challenge for us, and I think we responded well."

The Yellowjackets did eventually warm up, knocking down five fourth-quarter treys, as freshman Kellan Beller tallied 14 points to lead Stevensville. Seniors Tanner Pendergast and Sean Craft followed up, posting seven points each.

Kelly praised Beller for an impressive performance, and also singled out his senior Ryan Wahl for an important showing, in which the guard notched

Please see **MAROONS**, Page B2.

C.M. RUSSELL
HOLIDAY CLASSICMoreno,
Allen make
finals, Butte
finishes 8th

EVAN REIER
406mtsports.com

Eighth place isn't first, but the Bulldogs are right in the mix early in the wrestling season.

Butte finished eighth at the C.M. Russell Holiday Classic Saturday, ending with 157 points as Missoula Big Sky took the team title with a total of 204.5 points.

The Bulldogs saw three different wrestlers make the championship pool semifinals or better: Scout Allen (138), Kobe Moreno (205) and Kameron Moreno (285).

Allen rattled off five straight victories, including decision victories (8-6 and 9-5) in the quarterfinals and semifinals, en route to a final matchup with Bozeman senior Leif Schroeder.

However, the senior was unable to best the three-time state champion and Iowa commit, as the Hawk secured the victory with a fall after three minutes.

For Kobe Moreno, the senior reached the 205-pound semifinals against Great Falls' Elijah Davis after pinning two of his first three opponents, including Belgrade's Xaden Cunningham in the quarterfinals.

However, the standout for the Bison won a tight 7-4 match over Moreno, as Davis progressed to the final, where he was defeated by Billings Skyview's Brenner Bushfield.

Moreno won his first consolation clash to reach the third-place match, but was defeated in a 8-2 decision by Helena Capital's Zane McCormick.

At the heavyweight slot, Kameron Moreno picked up after an impressive first day in a higher weight class by adding two more victories to reach the final, including a win over Bozeman's Tom Walkup, who made the 2018 state final against Great Falls' Ethan Deroche.

While Kameron Moreno was able to take the 2018 champion to overtime, Deroche earned another tournament victory with a sudden victory, securing second place for Great Falls.

The Bulldogs have wrestled their last matches of 2019, next heading to Bozeman for the Hawks' invitational tournament on Jan. 3 and 4.

MONTANA STATE FOOTBALL | FCS SEMIFINALS



BRUCE CRUMMY, ASSOCIATED PRESS

Montana State wide receiver Travis Joneson (10) slips by a North Dakota State defender during the second half of their game Saturday in Fargo, N.D.

Bison barrage ends
Bobcats playoff runNorth Dakota State
beats Montana State
42-14 in FCS semifinals

GREG RACHAC
406mtsports.com

FARGO, N.D. — When Travis Jonsen cut into the end zone on a 1-yard touchdown run early in the second quarter Saturday, Montana State had a grip on an element that had helped the team get this far to begin with: Belief.

The Bobcats were suddenly locked in a tie game against FSC powerhouse North Dakota State and had momentum on their side in the program's first playoff semifinal game since its most recent national championship season of 1984.

"We had our hopes high," MSU receiver Kevin Kassis said.

But those hopes were dashed after a series of big plays from NDSU's offense, and Montana State never could recover on the way to a 42-14 loss in front of 18,077 wild and boisterous Bison fans at the Fargodome.

The defeat served as an abrupt end to one of the best seasons in MSU history. The Bobcats finished the year with an 11-4 record and the knowledge that they played later in the year than all but three other teams.

The Bison (14-0) were making their ninth consecutive semifinal appearance, and it was business as usual. It was their 36th straight win, and they'll next travel to Frisco, Texas, to play for their eighth national title this decade on Jan. 11 against

James Madison, which downed Weber State in Saturday's other semifinal.

In the aftermath, Montana State coach Jeff Choate gave credit where it was due.

"I think we deserve to be in consideration on the national stage, but we don't deserve to be in the national championship game yet," he said. "That big prize is still out in front of us."

On North Dakota State's first play after Jonsen's touchdown, quarterback Trey Lance quickly hit receiver Christian Watson in stride down the sideline for a 75-yard score and a 14-7 lead.

After the Bobcats were forced to punt on their next possession, Watson was handed the ball on a sweep on the first play of that series and raced 70 yards for another TD.

Ultimately, NDSU took a 29-7 lead into halftime and the Bobcats, with an offense built on ball control and a strong running game, weren't in an ideal situation.

Still, the Bobcats found the end zone in the third quarter when quarterback Tucker Rovig hit Kassis with a 41-yard touchdown pass down the right side of the field, making the score 29-14. It was set up by a fumble that was forced and recovered by MSU's Chase Benson.

But the Bison answered again, this time with a 73-yard touchdown pass from Lance to Dimitri Williams. Lance escaped pressure and found Williams open down the sideline to make the score 36-14 and that took the

Please see **BOBCATS**, Page B2.

MONTANA MEN'S BASKETBALL

Selcuk shines, but Griz fall late

Montana lost 87-82
on the road to
Nebraska-Omaha

JORDAN HANSEN
jordan.hansen@missoulian.com

Montana got a huge boost from recently-eligible forward Yagi Selcuk, but the Grizzlies were not able to close out Nebraska-Omaha and fell 87-82 in overtime to the Mavericks on Saturday afternoon.

⁰⁰ Selcuk was added as a mid-
⁰¹ year transfer last season, mean-

ing he joined the team ahead of the second academic semester. By making that decision, Selcuk's eligibility started the second his grades from the first semester this year were posted.

The 6-foot-8 forward, who hails from Turkey, joined the team on Friday afternoon prior to Montana's practice in Omaha. The Grizzlies did not stop back in Missoula between the Oregon and Nebraska-Omaha trip and Selcuk did not travel with the team to Eugene.

Against the Mavericks, Selcuk tallied 14 points on 6 of 13 shoot-

ing over 27 minutes and hauled in six rebounds — three offensive.

"He's the strongest guy on the team in terms of physicality," Montana head coach Travis DeCuire said to KGVO radio following the game. "...I think they had four of five offensive rebounds going into the first media (time-out) and I said, hey, let's give him a run and see what happens and then he goes in and scores so we rode it out."

Selcuk flashed a variety of polished post moves and was an



UM ATHLETICS

Yagizhan Selcuk drives towards the rim during a game against Nebraska-Omaha.

Please see **GRIZ**, Page B2.



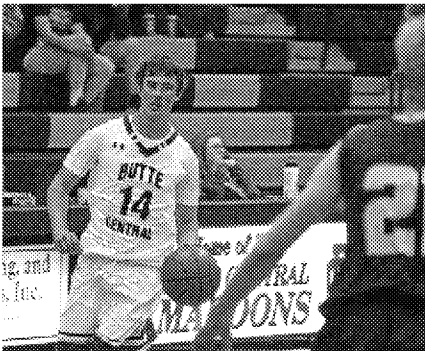
EVAN REIER PHOTOS, 406MSPORTS.COM

Stevensville's Kellan Beller pulls up during the Yellowjackets 51-36 loss to Butte Central at the Maroon Activities Center Saturday.

Maroons

From: B1

10 points and made three shots from beyond the arc. “We’ve got to give Ryan Wahl credit,” Kelly said. “Another night where he was a difference maker for us, he’s been shooting a high percentage... Also give that Beller kid credit, [Stevensville’s] freshman. He was aggressive and made some pretty difficult shots on us.” Wahl’s point total was only eclipsed by Braden Harrington’s 14, who made two treys of his own. Matt Simkins added five more, and Jared Simkins, Luke Heaphy, Gator Yelenich,



Butte Central’s Gator Yelenich dribbles the ball during the Maroons’ 51-36 win over Stevensville at the Maroon Activities Center Saturday.

Bryan Holland and Thomas McGree all added four points apiece. Central now gears up for the crosstown game at the Butte Civic Center Monday, while Stevensville takes a breather before traveling to Florence on Jan. 4. Stevensville beats Central

girls 43-24 at home. The Maroons are still searching for their first conference win. Butte Central fell to 1-4 on the season after falling to Stevensville on the road, 43-24. The loss is the fourth straight for Central, while Stevensville jumps to 2-3

and 1-1 in conference play. The Yellowjackets were led by the duo of Eynne Alexander and Maliyah Le-Coure, who put up 14 and 13 points respectively. Maddie Sims and Kennedy Praast added eight and five points, contributing to Stevensville’s 19-point win. Central’s top scorer was Sofee Thatcher, who put up nine points. Amira Bolton and Emma Keely rounded out the Maroons’ top scorers, tallying six and three points each. The Maroons now return home for Monday’s clash with Butte at the Butte Civic Center, while Stevensville next travels to Florence on Jan. 4.

Bobcats

From: B1

air out of MSU’s comeback confidence. “The big plays were devastating, but they also ground some things out on us. I just think (NDSU) was a better team,” Choate said. “We’ve got to own that and we’ve got to do what we did last year: Learn from this and try to add the right pieces to our roster and look at what we’re doing schematically to push us forward.” Lance accounted for five total touchdowns while leading an offense that outgained MSU in yards 541-298. A redshirt freshman from Marshall, Minnesota, Lance finished with 223 passing yards, 64 rushing yards and kept intact his amazing season-long streak of not throwing an interception. His touchdown pass to Williams was especially impressive, as he escaped pressure from his left, broke to his right and heaved a deep ball while on

the run. Williams, who was wide open, caught the ball and sprinted untouched into the end zone. “To me, that’s a different-level play,” first-year NDSU coach Matt Entz said. “That’s not a freshman play, that’s an advanced play. I wish I could say that was coached, but that was just the God-given talent that that kid has.” Choate said that particular play “exhibits his talent overall as an athlete. To be able to hurl that ball all the way down and accurately enough that they can capitalize on it, he’s definitely a special talent.” Watson, a sophomore from Tampa, Florida, gave the Bobcats fits in the open field with his speed and ability to evade would-be tacklers. Watson finished with 86 receiving yards, 88 rushing yards and helped the Bison atone for being held without a touchdown in last week’s 9-3 quarterfinal win over Illinois State. That hadn’t happened in an NDSU home game since the

2002 season. “He’s a big receiver and he’s one of the fastest guys we’ve gone against this year,” Bobcats safety Brayden Konkol said. “He’s a really good player. He’s only a sophomore, too, so he’s got a bright future.” Montana State came into the game looking to match North Dakota State’s physicality up front, but the Bison offensive line cleared holes that led to 318 team rushing yards while averaging 8.6 yards per carry. Lance, with time to throw, completed 15 of 21 passes. “Those guys were so ready to go today. So ready to go,” Entz said of NDSU’s line. “You had to hold them back. Those guys were on a mission to make sure we won this football game.” Bobcats star linebacker/quarterback Troy Ander-

sen worked out during pre-game warmups, testing his injured right knee to see if he might be able to play. When Andersen emerged in uniform before the game, it seemed as though he might. But Choate said the junior from Dillon was available only on an emergency basis and was held out for the fourth consecutive game. It was the second straight year in which the Bobcats ended their season at the Fargodome. NDSU beat Montana State 52-10 here in a second-round game in 2018. The Bison then went on to win their second straight (and seventh total) FCS crown. It was déjà vu in the dome. “I think we’ve moved forward in our ability to compete at this level, but we’ve still got work to do,” Choate said.

Griz

From: B1

absolute force to deal with inside. His offensive presence down on the block helped open up things for the rest of the team, including swingman Sayeed Pridgett. The senior topped his career high for the second time this season, scoring 32 points while grabbing eight rebounds and dishing out three assists while adding on two steals. Pridgett now has 1279 points in his Montana career and is 10 away from tying Derrick Pope for 14th-most all-time in UM history. He is 205 points from breaking into the top-10 and 384 from the top-5 all-time for Grizzly men’s basketball players. “We put points on the board and that’s the biggest thing for us right now, the struggle, is just scoring,” DeCuire said. “We’re not shooting the ball well from away, obviously free throws are an issue.”

Montana missed four free throws over the final 1:26, including two from Selcuk. Despite not taking advantage of the freebies, the Grizzlies still led by three points with under five seconds to go. Montana forward Kyle Owens hit two free throws to make the score 72-69 in favor of the Grizzlies, but Mavs guard JT Gibson answered with a deep 3-point shot with 2.1 seconds left to tie the game. A contested 3-point try from Pridgett clanked off the back iron and bounced out as regulation ended. Neither team scored in overtime until Nebraska-Omaha’s Zach Thornhill hit a 3-point try with 3:30 left. Freshman Montana guard Josh Vazquez responded with a 3-pointer of his own to tie the game at 75. Timmy Falls got a jumper to fall moments later and proceeded to convert two free throws on the next Montana offensive possession to give the Grizzlies a 79-77 lead with 1:46 left in the extra period.

Nebraska-Omaha took the lead for good with 43 seconds left on a pair of Matt Pile free throws. Pile was fouled on a put back after hauling in his sixth

offensive rebound of the game. The Mavericks outrebounded Montana 51-34 and had 15 offensive rebounds to the Grizzlies’ 11. Montana did only commit seven turnovers and forced 20 of their own. “We just have to clean up some things, our biggest issues right now are our inconsistencies, which leads to change in lineups and rotations and it’s kinda who’s playing well now, you got to ride with because no one has much of a history.” Vazquez finished with 14 points on 5 of 6 shooting, but fouled out in overtime. Owens had 12 points, while Kendal Manuel had just three. Manuel shot 1 of 11 from the field and 1 of 8 from 3-point range. Montana shot 29 of 71 from the field and 5 of 16 from behind the arc as a team. Pile finished with 13 points and 16 rebounds for the Mavs, while Gibson and KJ Robinson combined for 46 points. Montana hosts Northern Arizona to kick off the Big Sky slate on Saturday, Dec. 28. “It’s a new season. The biggest thing for them, what I told them, we’re going to have some stinking thinking going on right about now, I know I am, and they are as well as far as what can we do different, what can we do better,” DeCuire said. “So go home, enjoy your holiday, enjoy your family, but find time to hit a reset button and come back with fresh legs and a fresh mind.”

Jordan Hansen covers a bunch of stuff for the Missoulian and 406 Sports. Shout at him on Twitter @jordyhansen or shoot him an email at Jordan.Hansen@406mtsports.com

Nebraska-Omaha 87, Montana 82
MONTANA (4-7) – Pridgett 12-23 8-10 32, Manuel 1-11 0-0 3, Vazquez 5-6 1-2 14, Falls 2-6 2-2 6, Owens 3-4 5-6 12, Selcuk 6-13 2-5 14, Samuelson 0-3 0-0 0, Anderson 0-2 1-4 1, Carter-Hollinger 0-2 0-0 0, Egum 0-1 0-0 0, Totals 29-71 19-29 82.
NEBRASKA-OMAHA (7-8) – Gibson 5-11 10-15 22, Thornhill 3-9 8-8 16, K. Robinson 8-15 5-6 24, Pile 4-7 5-9 13, Ruffin 2-6 1-2 5, Akinwale 1-3 0-0 2, Tut 2-4 1-2 5, Hughes 0-3 0-0 0, Luedtke 0-0 0-0 0, L. Robinson 0-0 0-0 0, Totals 25-58 30-42 87.
Halftime–Nebraska-Omaha 37-32, 3-Point Goals–Montana 5-16 (Vazquez 3-3, Owens 1-2, Manuel 1-8, Carter-Hollinger 0-1, Egum 0-1, Pridgett 0-1), Nebraska-Omaha 7-17 (K. Robinson 3-6, Thornhill 2-3, Gibson 2-5, Akinwale 0-1, Hughes 0-1, Ruffin 0-1). Fouled Out–Vazquez, Pile. Rebounds–Montana 32 (Pridgett 8), Nebraska-Omaha 45 (Pile 16). Assists–Montana 11 (Vazquez 5), Nebraska-Omaha 11 (K. Robinson, L. Robinson 3). Total Fouls–Montana 28, Nebraska-Omaha 23. A–2,778 (7500).

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ANNOUNCEMENTS

■ From the Copper City Curling Club:

We have concluded our 2nd Session of the year and are looking forward to the new year and session 3! Registration is open for session 3 now. The first game of the six game session will start on January 5th. Email coppercitycurling@gmail.com to register a team or find a team as an individual.

Also Sunday January 19th at 4pm, we will be hosting a free learn to curl event! This is in collaboration with Snofflinga. It is a family friendly event for all levels of interest. Visit <https://snofflinga.weebly.com/2020eventschedule.html> for more.

Registration is open for the 4th annual Bozeman Bonspiel aka the Bozspiel. The Bonspiel is from January 10-12th. 3 game guarantee. 300 dollars per team. Visit <https://bozemancurlingclub.com/index.php/club-events/bozeman-bonspiel> for more.

SPORTS SCHEDULE

MONDAY, DEC. 23

BOYS BASKETBALL

- Butte vs. Butte Central at Butte Civic Center, 6 p.m.

GIRLS BASKETBALL

- Butte vs. Butte Central at Butte Civic Center, 7:30 p.m.

SNAPSHOTS

49ers eliminate Rams from playoff contention with 34-31 win

SANTA CLARA, Calif. (AP) — Jimmy Garoppolo converted a pair of conversions on third-and-16 to set up Robbie Gould's game-winning 33-yard field goal with no time left and the San Francisco 49ers eliminated the defending NFC champion Los Angeles Rams from playoff contention with a 34-31 victory Saturday night.

Garoppolo made up for a mostly pedestrian game for the 49ers (12-3) by delivering two big throws on the final drive after taking his fifth and sixth sacks.

He found Kendrick Bourne on an 18-yard pass over the middle to convert the first long third down and then hit Emmanuel Sanders behind a blown coverage for 46 yards to set up the winning kick.

The Niners then ran out on the field to celebrate while the Rams (8-7) were eliminated with the loss. Minnesota became the fifth team to clinch a berth in the NFC with Dallas and Philadelphia battling for the final spot.

The victory kept the Niners in control in the race for the NFC's top seed and home-field advantage throughout. They still need to win next week at Seattle to win the NFC West, otherwise they will be relegated to wild-card status.

Mistake-prone Bucs turn it over 5 times in loss to Texans

TAMPA, Fla. (AP) — Bruce Arians sometimes jokes that the Tampa Bay Buccaneers are one of the nicest teams in the NFL.

The team turns the ball over at an alarming rate, helping opponents build early leads and forcing Jameis Winston to play catch-up.

More often than not, it doesn't wind up being a winning formula for the Bucs, who erased a 14-point deficit in the final two minutes of the first half only to wind up losing to the Houston Texans 23-20 on Saturday.

Houston (10-5) clinched its fourth AFC South title in five years. Tampa Bay (7-8) had a four-game winning streak snapped and wasted an opportunity for what would have been a signature win in its first season under Arians.

"When we protect the football and I protect the football, we score points," Winston said. "No one has stopped us this year when I protect the football. No one."

No. 1 KU falls to No. 18 Villanova on Samuels' 3-pointer

PHILADELPHIA (AP) — Jermaine Samuels spotted up, let the ball fly and — bang — the 3-pointer swished, and some 20,000 delirious Villanova fans shook the arena. With time running out, the game on the line, Samuels was fearless.

"I just shot it unconsciously," he said.

He did, and one more No. 1 got KO'd.

Kansas became the latest top-ranked team to fall in the wildest of basketball seasons, another week where it's no fun at No. 1.

Samuels hit the winner with 20.5 seconds left to lead No. 18 Villanova to a 56-55 victory on Saturday, and the Wildcats became the only team to beat KU twice at No. 1 under coach Bill Self.

No. 5 Ohio State outlasts No. 6 Kentucky 71-65

LAS VEGAS (AP) — D.J. Carlton had 13 points, Kaleb Wesson added 12 before fouling out and No. 5 Ohio State outlasted No. 6 Kentucky 71-65 in the CBS Sports Classic on Saturday.

The Buckeyes (11-1) played with Duane Washington Jr., their second-leading scorer, limited to eight minutes due to a rib injury and had a hard time shaking the Wildcats in a physical game.

Kentucky (8-3) kept Ohio State within reach despite a poor-shooting second half before the Buckeyes stretched the lead to seven with 1:17 left. The Buckeyes made four straight free throws in the final 18 seconds to prevent Kentucky from mounting a comeback.

Wesson also had eight rebounds before fouling out with 3:30 left.

Nate Sestina scored 17 and hit five 3-pointers, and Tyrese Maxey added 15 points for the Wildcats.

COMMENTARY

Hate has no place in sports

These teams genuinely hate one another.

Sound familiar? Probably because you heard it a half dozen times on television last month when college football's storied rivalries were renewed.

Alabama-Auburn, Ohio State-Michigan, Montana-Montana State ... all terrific matchups but they're just games, folks. It's just sports.

Over the past few months, I've been amazed at the way some readers belly-ache when we at the Missoulian place Bobcat football on the front sports page. Even when the Cats are at the bottom of the page and the Griz are at the top, they complain.

Here's a news flash, you disgruntled few: Guys that play for MSU are just guys that share the same state as your football guys in Missoula, dealing with the same day-to-day challenges like wintry weather and sky-rocketing costs of living in college towns. The only real difference is the color of the uniform and the location in western Montana.

Over the past few months, we at the Missoulian have tried to appease Griz fans that so passionately hate Montana State by placing Bobcat stories on an inside page. But the truth is, those fans need to grow up and understand we're just trying to give readers more. Heck, they may even discover they have more fun when they start pulling for two Treasure State teams.

Hatred has no place in sports. Save your hate for the Adolph Hitlers and Saddam



DEAN HENDRICKSON, FOR 406MTSPORTS.COM

Montana State coach Jeff Choate, left, shakes hands with Montana coach Bobby Hauck prior to the 118th Brawl of the Wild game in 2018 in Missoula. If Choate and Hauck can be civil to one another, why can't all Grizzly and Bobcat fans? Missoulian sports editor Bill Speltz poses the question in this week's column.

Husseins of the world.

Ever notice how NFL players react after playing in so-called rivalry games? They walk to the middle of the field to greet one another, regardless of jersey color, and sometimes they even exchange jerseys the way Ravens quarterback Lamar Jackson did with Jets defenders after a recent game.

Growing up just 70 miles from Iowa City, this one-time-passionate Iowa fan loved to root for the Hawkeyes in their rivalry games against Iowa State. I may have hated to see Iowa lose to the Cyclones, but once the game was over, I was almost as happy to see Iowa State succeed as I was Iowa.

Is that so weird? That I would pull for a team that makes me feel good about my home state?

Competitively speaking, hating your opponent is a bad idea anyway. It can be disruptive in the heat of battle

because hate and anger go hand in hand and anger can be distracting. Even in a sport as brutal as football, you must keep your wits about you, my friend.

No one hated to lose more than yours truly as a younger man. Not so much in high school or college because I was just happy to earn a starting job. My prep football went 0-9 but I still had a good time.

In my 30s, after leaving baseball and football behind, I focused on playing tennis because it's cheap and a good workout. Oddly enough, it was this gentleman's game that planted seeds of hatred in my mind for anyone who dared try to beat me.

Call it the Jimmy Connors Syndrome. I had it in my head that being ranked as the top 35-and-over singles player in Iowa — roughly the equivalent of being the best surfer in Nome, Alaska — was my destiny. A Canadian gentleman was my nemesis, leaving

me with more runner-up trophies than Bobby Hauck, the Buffalo Bills and the Minnesota Vikings combined.

Oh, I was a nasty cuss. I'd roll the ball out of my pocket onto an adjacent court just to make the Canadian chase it. I'd refuse to socialize on changeovers. I'd walk right toward the friendly chap just so he had to walk around me.

After losing to him seven or eight times in a row in tournament finals, I finally beat the guy. It was my hometown tournament and I was so happy I gave my racket a bat flip.

As I was exiting the courts, enjoying congratulations from friends and family, my old Canadian rival vanished. Minutes later, he showed up with an icy-cold beverage just for me. It was his way of saying nice match.

The competitive cuss in me snapped that day and I became fast friends with the Canadian. Never again would I harbor white-hot competitive hatred toward anyone. How liberating it was.

On Saturday afternoon, I pulled for the Montana State football team to beat North Dakota State. There, I admit it. Better start your campaign to have me impeached as Missoulian sports editor.

Watching the Cats on ESPN wasn't quite as thrilling as watching the Grizzlies, but it was entertaining for a while. Those blue-and-gold-clad Bobcats did the Treasure State proud reaching the semifinal round and anyone that says differently needs to work on his perspective.

Bill Speltz is Missoulian Sports Editor and has served as Sunday columnist the past 13 years. Do you have a story idea? Email Bill at bill.speltz@missoulian.com.

SPORTSONTV

Schedule subject to change and/or blackouts

Sunday, December 22

AHL HOCKEY

2 p.m. NHLN — Texas at Chicago

BIATHLON

3:30 p.m. NBCSN — IBU: World Cup, Men's 15km Mass Start, Le Grand Bornand, France (taped)

COLLEGE BASKETBALL (MEN'S)

11 a.m. ESPN2 — Lafayette at Rutgers

1 p.m. ABC — South Carolina at Virginia

ESPN2 — The Diamond Head Classic: Houston vs. Portland, Quarterfinal, Honolulu

SECN — New Mexico State at Mississippi State

2 p.m. ACCN — Yale at Clemson

3 p.m. FS1 — Prairie View A&M at Seton Hall

ESPN2 — Xavier at TCU

ESPN2 — The Diamond Head Classic: Georgia Tech vs. Boise State, Quarterfinal, Honolulu

4 p.m. ACCN — The Citadel at North Carolina State

7:30 p.m. ESPN2 — The Diamond Head Classic: Ball State vs. Washington, Quarterfinal, Honolulu

9:30 p.m. ESPN2 — The Diamond Head Classic: Texas (El Paso) vs. Hawaii, Quarterfinal, Honolulu

COLLEGE BASKETBALL (WOMEN'S)

10 a.m. BTN — UCLA at Indiana

11 a.m. ESPN2 — Stanford at Texas

11:30 a.m. ACCN — The Hall of Fame Showcase: Michigan vs. Florida State, Uncasville, Conn.

2 p.m. CBSN — Hall of Fame Showcase: Oklahoma at Connecticut, Uncasville, Conn.

NBA

5 p.m. NBA TV — LA Clippers at Oklahoma City

7:30 p.m. NBA TV — Denver at LA Lakers

NBAGL

12 p.m. ESPNNEWS — Winter Showcase: Raptors vs. Sioux Falls, Las Vegas

1:30 p.m. NBA TV — Winter Showcase: Agua Caliente vs. Santa Cruz, Las Vegas

2:30 p.m. ESPNNEWS — Winter Showcase: Westchester vs. Oklahoma City, Las Vegas

5 p.m. ESPN2 — Winter Showcase: Grand Rapids vs. Salt Lake City, Las Vegas

7:30 p.m. ESPN2 — Winter Showcase: Rio Grande Valley vs. Fort Wayne, Las Vegas

NFL

11 a.m. CBS — Regional Coverage: Baltimore at Cleveland, Cincinnati at Miami, Pittsburgh at NY Jets

FOX — Regional Coverage: Jacksonville at Atlanta, New Orleans at Tennessee, Carolina at Indianapolis, NY Giants at Washington

2:05 p.m. CBS — Regional Coverage: Detroit at Denver, Oakland at LA Chargers

FOX — Regional Coverage: Dallas at Philadelphia, Arizona at Seattle

6:20 p.m. NBC — Kansas City at Chicago

NHL

10:30 a.m. NHLN — Anaheim at NY Rangers

5 p.m. NHLN — Calgary at Dallas

RUGBY

1:30 p.m. NBCSN — Premiership: Bath at London Irish (taped)

SKIING

5:30 p.m. NBCSN — FIS: World Cup, Women's Combined, Val d'Isère, France (taped)

SOCCER (MEN'S)

4:25 a.m. ESPN2 — Serie A: AC Milan at Atalanta

6:55 a.m. NBCSN — Manchester United at Watford

7:30 a.m. FS1 — Bundesliga: FC Berlin at Fortuna Dusseldorf

9:25 a.m. NBCSN — Chelsea at Tottenham

9:30 a.m. ESPNNEWS — Serie A: The Italian Super Cup: Juventus vs. Lazio, Riyadh, Saudi Arabia

10 a.m. FS1 — Bundesliga: Eintracht Frankfurt at SC Paderborn 07

SWIMMING

1 p.m. ESPN2 — ISL: From Las Vegas (taped) --

FOOTBALL

NFL

AFC

East W L T Pct PF PA

Y-New England 12 3 0 .800 396 198

X-Buffalo 10 5 0 .667 308 246

NY Jets 5 9 0 .357 247 343

South W L T Pct PF PA

Miami 3 11 0 .214 241 435

Y-Houston 10 5 0 .667 364 350

Indianapolis 8 6 0 .571 339 279

Jacksonville 6 8 0 .429 303 329

North W L T Pct PF PA

Y-Baltimore 12 2 0 .857 472 257

Cleveland 8 6 0 .571 269 259

Cincinnati 6 8 0 .429 297 329

West W L T Pct PF PA

Y-Kansas City 10 4 0 .714 394 284

Oakland 6 8 0 .429 274 386

Denver 5 9 0 .357 239 290

L.A. Chargers 5 9 0 .357 299 290

NFC

East W L T Pct PF PA

Dallas 7 7 0 .500 378 288

Philadelphia 7 7 0 .500 334 328

NY Giants 3 11 0 .214 283 382

Washington 3 11 0 .214 215 347

South W L T Pct PF PA

Y-New Orleans 11 3 0 .786 378 303

Tampa Bay 7 8 0 .467 436 421

Atlanta 5 9 0 .357 329 365

Carolina 5 9 0 .357 324 390

North W L T Pct PF PA

X-Green Bay 11 3 0 .786 330 283

Minnesota 10 4 0 .714 378 259

Chicago 7 7 0 .500 256 253

Detroit 3 10 1 .250 304 373

West W L T Pct PF PA

X-San Francisco 12 3 0 .786 419 258

Seattle 11 3 0 .786 371 345

L.A. Rams 8 7 0 .571 332 306

Arizona 4 9 1 .321 310 398

Y-clinched division

Saturday's results

Houston 23, Tampa Bay 20

New England 24, Buffalo 17

L.A. Rams 31, San Francisco 34

Sunday's games

NY Giants at Washington, 11 a.m.

Cincinnati at Miami, 11 a.m.

New Orleans at Tennessee, 11 a.m.

Pittsburgh at NY Jets, 11 a.m.

Baltimore at Cleveland, 11 a.m.

Carolina at Indianapolis, 11 a.m.

Jacksonville at Atlanta, 11 a.m.

Oakland at L.A. Chargers, 2:05 p.m.

Detroit at Denver, 2:05 p.m.

Atlanta at Seattle, 2:25 p.m.

Dallas at Philadelphia, 2:25 p.m.

Kansas City at Chicago, 6:20 p.m.

Monday's game

Green Bay at Minnesota, 6:15 p.m.

Sunday, Dec. 29

Chicago at Minnesota, 11 a.m.

Atlanta at Tampa Bay, 11 a.m.

Miami at New England, 11 a.m.

Tennessee at Houston, 11 a.m.

Green Bay at Detroit, 11 a.m.

Washington at Dallas, 11 a.m.

Indianapolis at Jacksonville, 11 a.m.

Cleveland at Cincinnati, 11 a.m.

L.A. Chargers at Kansas City, 11 a.m.

NY Jets at Buffalo, 11 a.m.

Philadelphia at NY Giants, 11 a.m.

New Orleans at Carolina, 11 a.m.

Pittsburgh at Baltimore, 11 a.m.

Oakland at Denver, 2:25 p.m.

San Francisco at Seattle, 2:25 p.m.

Arizona at L.A. Rams, 2:25 p.m.

College

Amway Coaches Top 25 Poll

The Amway Top 25 football poll, with first-place votes in parentheses, records through

Dec. 7, total points based on 25 points for first place through one point for 25th, and previous ranking:

Record Pts Pvs

1. LSU (46) 13-0 1605 1

2. Ohio State (14) 13-0 1562 2

3. Clemson (5) 13-0 1513 3

4. Oklahoma 12-1 1430 6

5. Georgia 11-2 1294 4

6. Oregon 11-2 1189 13

7. Florida 10-2 1172 7

8. Baylor 11-2 1161 8

9. Alabama 10-2 1092 9

10. Utah 11-2 1005 5

11. Wisconsin 10-2 988 10

12. Penn State 10-2 967 11

13. Auburn 9-3 962 12

STANDINGS & SCHEDULE

EASTERN CONFERENCE											
Atlantic	GP	W	L	OT	Pts	GF	GA	Home	Away	Div	
Boston	37	21	7	9	51	123	97	12-1-8	9-6-1	8-4-3	
Toronto	37	19	14	4	42	125	116	9-4-410-10-0		7-5-1	
Florida	35	18	12	5	41	126	115	11-7-2	7-5-3	4-4-1	
Buffalo	37	17	13	7	41	114	116	11-3-3	6-10-4	6-5-1	
Montreal	36	17	13	6	40	115	115	8-8-3	9-5-3	4-5-2	
Tampa Bay	34	17	13	4	38	118	110	9-7-2	8-6-2	10-2-0	
Ottawa	37	15	18	4	34	103	122	10-5-1	5-13-3	5-5-2	
Detroit	37	9	25	3	21	80	145	5-13-1	4-12-2	3-7-0	
Metropolitan	GP	W	L	OT	Pts	GF	GA	Home	Away	Div	
Washington	37	26	6	5	57	134	104	10-3-4	16-3-1	4-3-1	
N.Y. Islanders	34	23	8	3	49	103	88	13-3-2	10-5-1	6-2-1	
Pittsburgh	35	21	10	4	46	119	92	14-4-2	7-6-2	5-2-3	
Carolina	36	22	12	2	46	118	94	10-6-0	12-6-2	2-6-1	
Philadelphia	36	20	11	5	45	116	105	12-2-4	8-9-1	6-2-2	
Columbus	36	16	14	6	38	95	104	11-8-1	5-6-5	6-5-2	
N.Y. Rangers	34	16	14	4	36	108	112	8-8-2	8-6-2	6-2-0	
New Jersey	35	11	19	5	27	84	127	5-8-5	6-11-0	3-5-1	

WESTERN CONFERENCE											
Central	GP	W	L	OT	Pts	GF	GA	Home	Away	Div	
St. Louis	36	22	8	6	50	109	96	12-4-3	10-4-3	8-1-1	
Colorado	36	22	11	3	47	127	100	10-5-2	12-6-1	6-6-0	
Winnipeg	36	21	13	2	44	111	101	10-7-1	11-6-1	6-3-1	
Dallas	37	20	13	4	44	99	92	12-5-2	8-8-2	7-4-2	
Nashville	35	17	12	6	40	123	114	9-6-4	8-6-2	5-4-0	
Minnesota	37	17	15	5	39	115	126	9-2-3	8-13-2	2-8-1	
Chicago	37	15	16	6	36	104	118	8-8-3	7-8-3	5-6-2	
Pacific	GP	W	L	OT	Pts	GF	GA	Home	Away	Div	
Arizona	37	20	13	4	44	105	94	8-9-1	12-4-3	7-3-3	
Vegas	38	19	13	6	44	116	110	10-6-3	9-7-3	8-3-2	
Edmonton	39	20	15	4	44	115	120	9-7-3	11-8-1	8-3-1	
Calgary	37	18	14	5	41	99	112	10-5-3	8-9-2	5-5-1	
Vancouver	36	17	15	4	38	116	112	9-5-3	8-10-1	5-5-1	
San Jose	36	16	18	2	34	98	125	10-9-0	6-9-2	8-6-0	
Anaheim	36	15	17	4	34	95	109	9-7-2	6-10-2	4-5-1	
Los Angeles	38	15	19	4	34	98	120	10-6-1	5-13-3	5-10-1	

Two points for a win, one point for overtime loss. Top three teams in each division and two wild cards per conference advance to playoffs.

Friday's results	Sunday's games
Washington 6, New Jersey 3	Anaheim at N.Y. Rangers, 10:30 a.m.
Florida 7, Dallas 4	Calgary at Dallas, 5 p.m.
Toronto 6, N.Y. Rangers 3	Arizona at Detroit, 5 p.m.
Pittsburgh 5, Edmonton, 2	Vegas at San Jose, 8 p.m.
Saturday's results	Monday's games
Anaheim 6, N.Y. Islanders 5, SO	Carolina at Toronto, noon
Buffalo 3, Los Angeles 2	Calgary at Minnesota, 3 p.m.
Winnipeg 6, Minnesota 0	Washington at Boston, 5 p.m.
Florida 4, Carolina 2	Columbus at N.Y. Islanders, 5 p.m.
Toronto 4, Detroit 1	N.Y. Rangers at Phila., 5 p.m.
Columbus 5, New Jersey 1	Florida at Tampa Bay, 5 p.m.
Edmonton 4, Montreal 3	Buffalo at Ottawa, 5:30 p.m.
Washington 3, Tampa Bay 1	Arizona at Nashville, 6 p.m.
Nashville 4, Boston 3, OT	Montreal at Winnipeg, 6 p.m.
Philadelphia 5, Ottawa 4, SO	New Jersey at Chicago, 6:30 p.m.
Chicago 5, Colorado 3	St. Louis at Los Angeles, 8 p.m.
Pittsburgh at Vancouver, (n)	Edmonton at Vancouver, 8 p.m.
St. Louis at San Jose, (n)	Colorado at Vegas, 8 p.m.

STAT OF THE DAY

23 The Wild (17-15-5) have played the fewest home games in the league this season, starting on the road for 23 of their first 37 games. They have 17 of their next 21 games at home in St. Paul, Minnesota.

— Associated Press

STANDINGS & SCHEDULE

EASTERN CONFERENCE											
Atlantic	W	L	Pct.	GB	:L10	Str	Home	Away	Conf		
Boston	19	7	.731	—	7-3	W-2	11-1	8-6	12-4		
Toronto	20	8	.714	—	6-4	W-4	12-3	8-5	14-4		
Philadelphia	21	10	.677	½	6-4	W-1	15-2	6-8	14-5		
Brooklyn	16	13	.552	4½	6-4	W-1	9-5	7-8	10-7		
New York	7	23	.233	14	3-7	L-2	4-11	3-12	3-17		
Southeast	W	L	Pct	GB	:L10	Str	Home	Away	Conf		
Miami	21	8	.724	—	7-3	W-2	12-1	9-7	15-2		
Orlando	12	17	.414	9	4-6	L-3	8-6	4-11	7-9		
Charlotte	13	19	.406	9½	5-5	L-2	7-9	6-10	9-12		
Washington	8	20	.286	12½	2-8	L-3	4-7	4-13	4-10		
Atlanta	6	24	.200	15½	2-8	L-7	3-11	3-13	3-15		
Central	W	L	Pct	GB	:L10	Str	Home	Away	Conf		
Milwaukee	26	4	.867	—	9-1	W-2	14-2	12-2	16-2		
Indiana	20	9	.690	5½	8-2	W-5	13-3	7-6	13-7		
Chicago	12	19	.387	14½	5-5	W-2	6-10	6-9	8-12		
Detroit	11	19	.367	15	4-6	L-4	7-9	4-10	8-17		
Cleveland	8	21	.276	17½	3-7	W-2	5-10	3-11	5-18		

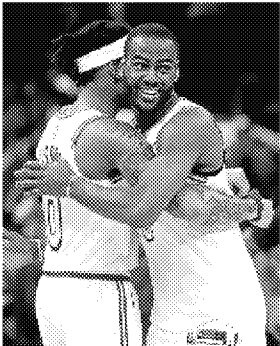
WESTERN CONFERENCE											
Southwest	W	L	Pct	GB	:L10	Str	Home	Away	Conf		
Houston	20	9	.690	—	8-2	W-3	10-4	10-5	12-5		
Dallas	19	9	.679	½	7-3	W-1	8-7	11-2	11-4		
San Antonio	11	17	.393	8	5-5	L-1	8-8	3-9	7-10		
Memphis	11	19	.367	9	5-5	W-1	6-11	5-8	7-11		
New Orleans	7	23	.233	13	1-9	L-1	4-11	3-12	6-14		
Northwest	W	L	Pct	GB	:L10	Str	Home	Away	Conf		
Denver	19	8	.704	—	6-4	W-5	13-3	6-5	10-4		
Utah	18	11	.621	2	6-4	W-5	11-3	7-8	12-7		
Okla. City	14	14	.500	5½	7-3	W-3	10-5	4-911-10			
Portland	13	16	.448	7	6-4	W-3	7-6	6-10	8-11		
Minnesota	10	17	.370	9	1-9	L-9	3-10	7-7	4-14		
Pacific	W	L	Pct	GB	:L10	Str	Home	Away	Conf		
L.A. Lakers	24	5	.828	—	7-3	L-2	10-2	14-3	16-2		
L.A. Clippers	22	9	.710	3	7-3	W-1	14-2	8-7	14-6		
Sacramento	12	17	.414	12	4-6	L-3	6-5	6-12	8-8		
Phoenix	11	18	.379	13	2-8	L-6	6-11	5-7	7-14		
Golden State	6	24	.200	18½	2-8	W-1	3-10	3-14	4-17		

Friday's results	Sunday's games
Cleveland 114, Memphis 107	Chicago 119, Detroit 107
Indiana 119, Sacramento 105	Philadelphia 125, Washington 108
Boston 114, Detroit 93	Milwaukee 123, New York 102
Toronto 112, Washington 118	Memphis 119, Sacramento 115
Dallas 117, Philadelphia 98	L.A. Clippers 134, S. Antonio 109
Miami 129, New York 114	Houston 139, Phoenix 125
Oklahoma City 126, Phoenix 108	Minnesota at Portland, (n)
Denver 109, Minnesota 100	Sunday's games
Portland 118, Orlando 103	Dallas at Toronto, 1:30 p.m.
Golden St. 106, New Orleans 102	Charlotte at Boston, 4 p.m.
Saturday's results	Indiana at Milwaukee, 5 p.m.
Utah 114, Charlotte 107	L.A. Clippers at Okla. City, 5 p.m.
Brooklyn 122, Atlanta 112	Denver at L.A. Lakers, 7:30 p.m.

STAT OF THE DAY

20 The Golden State Warriors blew a 20-point lead Friday night but recovered to top the New Orleans Pelicans 106-102. The hosts, just 6-24 on the season, improved to 3-10 in San Francisco. It was the Pelicans' 13th loss in 14 games.

— Associated Press



NHL ROUNDUP

Sheahan helps Oilers prevail

ASSOCIATED PRESS

EDMONTON — Riley Sheahan scored the tie-breaking goal less than a minute after Edmonton had one disallowed, and the Oilers defeated the Montreal Canadiens 4-3 on Saturday at Rogers Place.

Connor McDavid and Leon Draisaitl each had a goal and assist for Edmonton. Mikko Koskinen made 23 saves.

CAPITALS 3, LIGHTNING 1: Dmitry Orlov scored the go-ahead goal with 6:03 left, Braden Holtby made 26 saves and host Washington killed off several late power plays to beat Tampa Bay. The NHL-leading Capitals improved to 5-0-1 in the second half of back-to-backs this season.

JETS 6, WILD 0: Blake Wheeler had a goal and assist to become the all-time leading scorer (616 points) in franchise history, Connor Hellebuyck made 31 saves for his third shutout of the season, and Winnipeg beat host Minnesota in St. Paul.

BLACKHAWKS 5, AVALANCHE 3: Patrick Kane scored to open a four-goal third period and Chicago rallied to beat host Colorado.

PANTHERS 4, HURRICANES 2: Jonathan Huberdeau had



JEFF MCINTOSH, THE CANADIAN PRESS VIA AP

Canadiens center Nick Suzuki, left, is sent flying thanks to a check by Oilers defenseman Kris Russell on Saturday night in Edmonton, Alberta.

a goal and an assist in the third period, Chris Dreidger stopped 42 shots and Florida won in Raleigh, North Carolina. Carolina lost in regulation for the first time in eight games.

SABRES 3, KINGS 2: Rasmus Ristolainen and Marco Scandella scored to lead host Buffalo over Los Angeles, ending the Sabres' three-game losing streak.

PREDATORS 4, BRUINS 3 (OT): Ryan Ellis scored with

54.2 seconds left in overtime to lift Nashville over host Boston, which has won just once in the past eight games.

DUCKS 6, ISLANDERS 5 (SO): Jakob Silfverberg scored in regulation and added the shootout winner in Anaheim's win over New York in Uniondale.

MAPLE LEAFS 4, RED WINGS 1: Michael Hutchinson registered 29 saves in his first victory of the season as host Toronto beat Detroit

for its fourth straight victory overall and first with a No. 2 goaltender.

BLUE JACKETS 5, DEVILS 1: Oliver Bjorkstrand scored twice in the first-period, Joonas Korpisalo stopped 21 shots and host Columbus cruised past New Jersey.

FLYERS 5, SENATORS 4 (SO): Sean Couturier scored the shootout winner, and James van Riemsdyk scored two goals, as Philadelphia beat host Ottawa.

AROUND THE LEAGUE

Four selected as All-Star captains

NEW YORK — Washington's Alex Ovechkin, Boston's David Pastrnak, Colorado's Nathan MacKinnon and Edmonton's Connor McDavid were voted NHL All-Star captains, the league revealed.

Ovechkin was voted by fans to captain the Metropolitan Division, Pastrnak the Atlantic, MacKinnon the Cen-

tral and McDavid the Pacific. McDavid was voted into All-Star Weekend for a fourth season in a row and Ovechkin a third in a row.

The defending Stanley Cup champion St. Louis Blues host All-Star Weekend in January. The skills competition will be Friday, Jan. 24 and the 3-on-3 tournament will be Saturday, Jan. 25.

BRIEFLY

ISLANDERS: Cal Clutter-

buck is out indefinitely for New York after having surgery on his left wrist Friday. The 32-year-old right wing was injured in the third period of a 3-2 shootout win at the Boston Bruins on Thursday night.

WILD: Minnesota forward Jason Zucker will miss four to six weeks after having surgery to repair a fractured right fibula, general manager Bill Guerin said.

CANUCKS: Josh Leivo will miss two to three months for Vancouver because of a fractured kneecap the forward sustained during a 5-4 overtime win against Vegas on Thursday.

RANGERS: Lias Andersson has asked for a trade, and New York general manager Jeff Gorton said he is in the process of assessing the market for the center.

— Wire reports

NBA ROUNDUP



ASSOCIATED PRESS PHOTOS

Jazz center Rudy Gobert, left, dunks despite the presence of Hornets forward Cody Martin in the first half Saturday night in Charlotte, N.C.

Jazz win fifth straight

ASSOCIATED PRESS

CHARLOTTE, N.C. — Bojan Bogdanovic scored 26 points, Rudy Gobert had 17 points and 19 rebounds and the Utah Jazz beat the Charlotte Hornets 114-107 on Saturday for their fifth straight victory.

Donovan Mitchell added 20 points for the Jazz, and Joe Ingles had 14 points, including two pivotal 3-pointers in the fourth quarter. Jazz coach Quin Snyder was ejected midway through the fourth quarter after arguing for a foul call.

CLIPPERS 134, SPURS 109: Kawhi Leonard captured his first victory in San Antonio since his exodus from the franchise to Toronto in 2018, collecting 26 points, nine assists and seven rebounds in three quarters as Los Angeles rolled. Leonard was roundly

booed during pregame introductions and each time he touched the ball.

ROCKETS 139, SUNS 125: NBA scoring leader James Harden poured in 47 points, and Russell Westbrook had 30 points and 10 assists to lead Houston over host Phoenix.

NETS 122, HAWKS 112: Spencer Dinwiddie scored 39 points and host Brooklyn overcame a 47-point performance by Trae Young and beat Atlanta, which lost its seventh straight game.

BUCKS 123, KNICKS 102: Giannis Antetokounmpo had 22 points, 11 rebounds and 10 assists in his third triple-double of the season, and Milwaukee routed host New York. The Bucks made their first six 3-pointers.

76ERS 125, WIZARDS 108: Joel Embiid had 21 points and 13 rebounds, and Josh Richardson added 21 points to lead host Philadelphia over Washington. Bradley Beal had 36 points, eight rebounds and six assists for the Wizards, who have lost three in a row and nine of 11.

GRIZZLIES 119, KINGS 115: Jaren Jackson Jr. scored 18 points, Jae Crowder added 17 points and 10 rebounds, host Memphis beat Sacramento. Harrison Barnes led the Kings with 25 points.

BULLS 119, PISTONS 107: Zach LaVine scored 33 points, and Coby White added 19 to help Chicago outlast host Detroit. LaVine and White each made five 3-pointers. Andre Drummond had 19 points and 14 rebounds for the Pistons.

AROUND THE NBA

James doubtful against Nuggets

LOS ANGELES — Lakers star LeBron James is doubtful for Sunday's home game against the Denver Nuggets with a thoracic muscle strain, coach Frank Vogel announced Saturday.

James first sustained the injury, a pull in the rib cage area, against the Indiana Pacers on Tuesday and played through it during Los Angeles' 111-104 loss to the Milwaukee Bucks on Thursday night. James didn't require an MRI. It is not considered a case of load management, however, sources told ESPN.

Earlier this week, James said he didn't plan to miss any games this season for rest. James has also been dealing with a nagging groin issue recently, sources said. Last season, a groin strain on Christmas Day derailed James and the Lakers' season.

Although he has yet to miss a game, the Lakers have been managing James' minutes this season as he's averaging a career-low 34.8 per game.

Despite the injury, James played 37 minutes and registered his seventh triple-double of the season against Milwaukee

NFL

Patriots beat Bills 24-17, win 11th straight AFC East crown

JIMMY GOLEN
AP Sports Writer

FOXBOROUGH, Mass. (AP) — Tom Brady appeared for his postgame media session with an ice pack on his right elbow. Bill Belichick was sporting a brand new AFC East championship hat.

The New England Patriots had things a little tougher this year, but they came out on top yet again.

Brady passed for 271 yards and a touchdown, sneaked for a third-down conversion to set up another score and threw a downfield block on another scoring drive to help the defending Super Bowl champions beat Buffalo 24-17 on Saturday and clinch their 11th straight AFC East title.

“I’m pretty poor at just about everything other than throwing the ball,” said Brady, who is 42 and nursing a right elbow injury but still absorbed a crunching tackle after a 3-yard scramble that was followed one play later by Rex Burkhead’s go-ahead touchdown.

“He’s the heartbeat of this football team,” special teams captain Matthew Slater said. “We’ve been one of the most fortunate organizations the last 20 years to have that guy at the helm. He proved it again tonight.”

With Bills visiting for a rare late-season matchup while the division was still at stake, Burkhead rebounded from an opening-drive fumble to catch four passes for 77 yards and run for 20 more, including a 1-yard touchdown with 5:11 left to give New England the lead. Brady found Julian Edelman, who was in the concussion protocol earlier in the second half, on the 2-point conversion to make it 24-17.

Both teams had already clinched playoff berths; the Patriots (12-3) remain in contention for a first-round bye or even the No. 1 seed in the AFC.

“You couldn’t ask for a



STEVEN SENNE

New England Patriots quarterback Tom Brady, left, and Buffalo Bills quarterback Josh Allen speak at midfield after an NFL football game, Saturday, Dec. 21, 2019, in Foxborough, Mass.

better situation, playing for an AFC division title in December with two games left to give yourself a chance,” said Bills quarterback Josh Allen, who drove Buffalo to the New England 8 in the final minutes but couldn’t deliver a touchdown. “I’m super thankful for this experience and what we were able to do here. At the same time, we came here to win a football game, and we didn’t get that done.”

Allen completed 13 of 26 passes for 208 yards and ran for 43, including a first down on fourth-and-1 from the Patriots 30 with about three minutes left. With a first-and-goal from the 8, he was stopped on a run, overthrew Dawson Knox in the end zone and then was sacked by Adam Butler.

Facing fourth-and-goal from the 15 with just over one minute left, he was forced out of the pocket and had to throw the ball up for grabs in the end zone, where it was knocked down by J.C. Jackson.

“It was a playoff-type game,” Bills running back Frank Gore said. “We played against a good team and it came down to us on the 10-yard line.”

Sony Michel ran for 96 yards for the Patriots, who would earn a first-round bye if Kansas City loses or ties one of its remaining two

games.

Cole Beasley caught seven passes for 108 yards, and John Brown had a 53-yard touchdown reception for the Bills (10-5), who have qualified for the postseason for the second time since 1999. They have not won a playoff game since 1995, following their last division title, when Marv Levy’s team beat Don Shula’s Miami Dolphins in the wild-card round.

Brady improved to 32-3 against the Bills, who haven’t beaten the Patriots in six games under coach Sean McDermott.

“Obviously they’re AFC East division rivals and that’s their consecutive whatever-it-is year winning the division,” said Allen, who threw for a touchdown in his 21st straight game, breaking Doug Flutie’s franchise record from 1998-99. “We’ve got to find a way to get over that hump.”

The Bills made only one big play in the first 29 minutes, when safety Jordan Poyer punched the ball out of Burkhead’s hands, and Micah Hyde returned it 31 yards to the New England 31. That led to a field goal and a 3-0 lead.

Brady responded with a 75-yard drive, going 5-for-5 and hitting Matt LaCosse for an 8-yard score

that made it 7-3. It was the three-time NFL MVP’s 539th TD pass, tying Peyton Manning for second behind Drew Brees, to Brady’s 76th different receiver, extending what was already a record.

New England led 10-3 before a failed attempt on fourth-and-inches with 36 seconds left in the half gave the Bills one more chance before the break.

Allen connected on two passes before dropping one in on Dawson Knox for 33 yards; although it was originally ruled a touchdown, replays showed he was brought down at the 1. Two plays later, 320-pound tackle Dion Dawkins was wide open for the touchdown that sent it into the half tied 10-10.

After the Patriots opened the second half with Folk’s

51-yard field goal — the team’s first attempt from more than 50 yards all season — Allen connected with Brown from 53 yards to make it 17-13. It was Allen’s longest pass of the season.

“We knew we had to finish the game,” Poyer said. “That’s the greatest quarterback to ever play the game, and we knew they were gonna come back and try to strike.”

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Happy Holidays

The Montana Standard will be publishing our special expanded holiday edition on December 24th this year for both December 24th and December 25th publication days to allow our staff to spend holiday time with their family.

The **MONTANA STANDARD**
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NATION&WORLD



VADIM GHIRDA, ASSOCIATED PRESS

ROMANIA MARKS 30TH ANNIVERSARY OF UPRISING

A woman walks by honor guard soldiers during a memorial religious service Saturday at the Heroes' cemetery, to honor those killed in the uprising, in Bucharest, Romania. Romania marks the 30th anniversary of the anti-communist uprising that started in the western Romanian town of Timisoara on Dec. 16 and in Bucharest on Dec. 21, 1989, and left more than 1,000 people dead and ended the rule of dictator Nicolae Ceausescu.

Vote to impeach locks in 2020 issue

Now voters will decide whether to reward or punish incumbents

ALAN FRAM
Associated Press

WASHINGTON — The day after nearly every House Democrat voted to impeach President Donald Trump, the chief of the House Republican campaign committee said the political fallout was clear. “Last night their obsession with impeachment finally came to a head, and they basically ended their majority,” Minnesota Rep. Tom Emmer said Thursday. “Max Rose is done,” he continued, listing him among freshmen Democrats from districts Trump captured in 2016 who he said won’t survive next November’s elections. The feisty Rose, a Brooklyn na-

tive and Afghanistan combat veteran with an advanced degree from the London School of Economics, sees things differently. “Mark my words, OK?” said Rose, whose Staten Island-centered district was the only one Trump won in New York City. “We are going to beat them by such a wide margin that next time around, they won’t even talk like this again, OK?” It’s too early to say who will be proven correct as Republicans wage a challenging struggle to regain the House majority they lost last year. But less than 11 months from presidential and congressional elections, the near party-line House vote impeaching Trump locked in lawmakers’ positions on the subject. Many moderate lawmakers from swing districts had spent months saying they were on the fence.

Now, voters will decide whether to reward or punish incumbents for their choices. And while Republicans and Democrats acknowledge that other issues like the economy and health care costs could overwhelm impeachment by next November, both sides — but especially the GOP — are already using the bitter impeachment fight as weapons. Democrats led by Speaker Nancy Pelosi, D-Calif., control the House 232-198, plus one independent and four vacancies. That includes Thursday’s party switch by New Jersey Rep. Jeff Van Drew, who joined the GOP after being one of only two Democrats who opposed impeachment. Impeachment will reverberate as well in Senate races, where the GOP will be fighting to retain its 53-47 majority.

Pope tells flock to embrace change

VATICAN CITY — Pope Francis warned Saturday that “rigidity” in living out the Christian faith is creating a “minefield” of hatred and misunderstanding in a world where Christianity is increasingly irrelevant. Francis called for Vatican bureaucrats to instead embrace change during his annual Christmas greetings. Francis’ message appeared aimed at conservative and traditionalist Catholics who have voiced increasing opposition to his progressive-minded papacy. Their criticisms have accelerated amid Vatican financial and sex abuse scandals. On Saturday the Legion of Christ religious order, which was discredited by its pedophile founder, says an internal investigation has identified 33 priests and 71 seminarians who sexually abused minors over the past eight decades.

Apartment fire kills 6 in Las Vegas

LAS VEGAS — A fire in a three-story apartment building in downtown Las Vegas where residents were apparently using their stoves for heat killed six people and forced some residents to jump from upper-floor windows to escape the heavy smoke before dawn Saturday, authorities said. Investigators reported that the fire started around a first-floor unit’s stove and that residents had told them that there was no heat in the building, which sits a few blocks from downtown Las Vegas’ touristy Fremont Street District. Thirteen people were injured, mostly from smoke inhalation. The cause of the fire appeared to be accidental, and the fire was largely contained to the first-floor unit where it started in the stove area, fire department spokesman Tim Szymanski said. The State Fire Marshal’s Office will investigate for code violations, including any involving fire alarms.

BRIEFLY

WILDFIRES: Australia’s most populous state was paralyzed by “catastrophic” fire conditions Saturday amid soaring temperatures, while one person died as wildfires ravaged the country’s southeast, officials said. The devastation has put pressure on Prime Minister Scott Morrison, who has received criticism for going on a family vacation during the wildfire crisis.

INDIA: Nine people died Saturday during clashes between demonstrators and police in northern India, raising the nationwide death toll in protests against a new citizenship law to 23, police said. Demonstrators say the law discriminates against Muslims.

IMPEACHMENT: President Donald Trump complained Saturday about House Speaker Nancy Pelosi’s delayed transmission of the articles of impeachment to the Senate, which may delay a trial in the GOP-controlled chamber. “It’s so unfair,” Trump said.

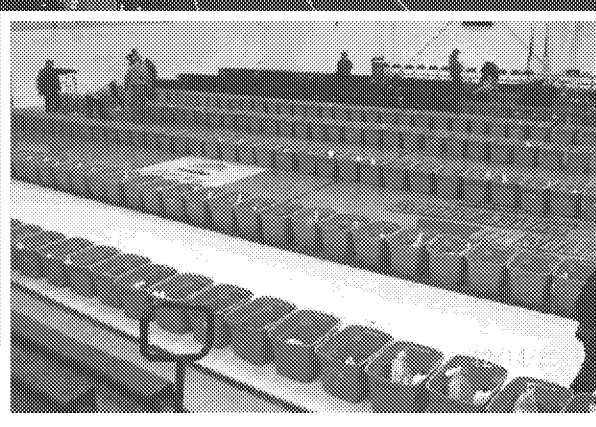

CAPSULE: Boeing aimed to bring its Starliner crew capsule back to Earth on Sunday to end its first test flight, a mission cut short by an improperly set clock on the spacecraft. Only a test dummy is onboard.

EXTREMISM: France’s President Emmanuel Macron has vowed to boost the fight against Islamic extremism in West Africa as French troops killed 33 Islamic extremists in central Mali. By Macron’s side, Ivorian President Alassane Ouattara in Abidjan announced a “historic” reform of the French-backed currency CFA Franc.

SANCTIONS: A company that operates ships laying sections of a new German-Russian pipeline said Saturday it is suspending the work after U.S. President Donald Trump signed legislation threatening sanctions. The U.S. has been an outspoken opponent of the pipeline, which will transport natural gas about 750 miles.


— Associated Press

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It all looks so different now, but in 1913, this was the road adjoining Silver Lake.

A businessman's man

B.E. Calkins made his mark in Butte

TRACY THORNTON
tracy.thornton@mtstandard.com

The name Benjamin Elmer Calkins won't ring any bells with most Butte residents, but the early-day businessman was an integral part of the city's history.

Like so many others, Calkins made his fortune in Butte.

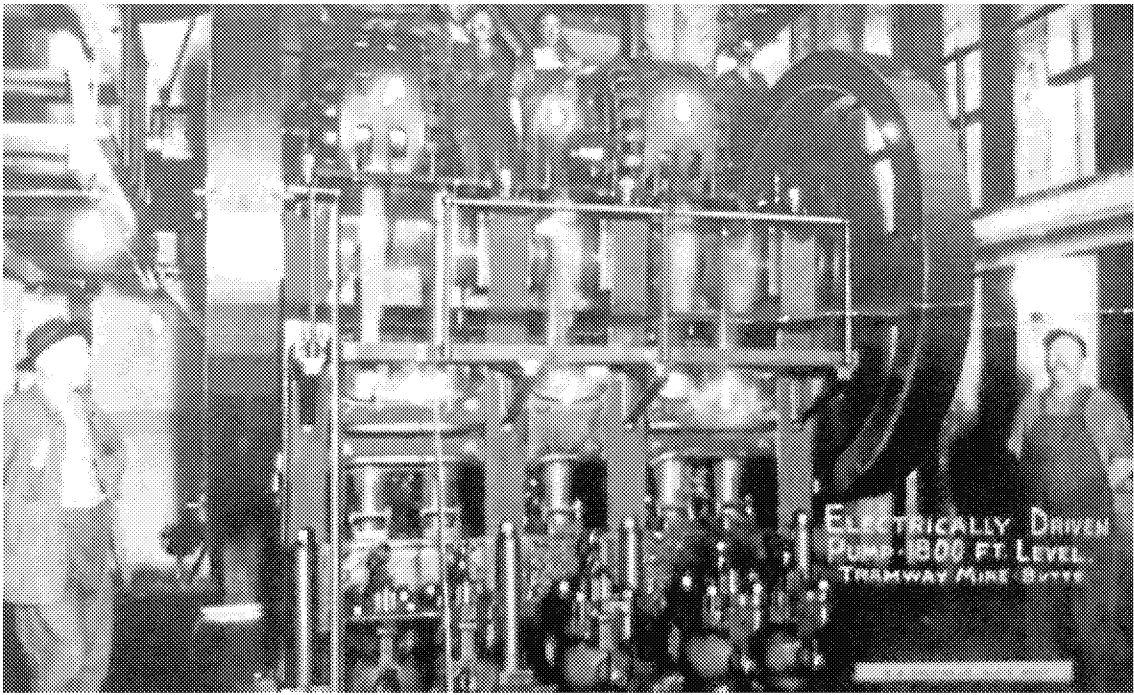
Not from mining, however, and certainly not in banking.

Instead, he made his mark selling paper products — everything from books to index cards and fancy stationery to loose leaf.

As a young man of 22, he left his Pennsylvania home in 1884 and headed west, eventually settling in Butte. He worked as a clerk, but by 1886, he was the proud owner of his own small bookstore.

Three years later, he and his new business partner, Murray Liebenstein, expanded the business. The duo promised to "show the best goods at the best price."

The partnership didn't last long, but that sales pitch worked wonders as residents embraced



The electric pump at the Tramway Mine is featured here.

the business, which soon moved to bigger and better accommodations on Main and Broadway.

But more importantly, Calkins embraced Butte.

In 1898, he published a book of

illustrated scenes titled "Butte Illustrated." The 86 scenes, some of which are featured here, depicted the city's mining life, architecture and street scenes, too.

The book, described as "hand-

somely bound," would later become a gift if you purchased a \$2 yearly subscription to "Montana's only mining journal" — "The Mining Review."

Along the way, Calkins also



The statue of Copper King Marcus Daly was originally placed in the middle of North Main Street (just above Copper and Main streets).

published numerous Butte photographs, also featured here.

Although the actual photos are tiny in size, they are detailed and give readers a clear and concise view of what Butte looked like more than 100 years ago.

Calkins had other interests as well.

Please see **CALKINS**, Page: C2



COURTESY OF BUTTE ARCHIVES

Before the Hotel Finlen, the McDermott Hotel was located at 100 E. Broadway St.

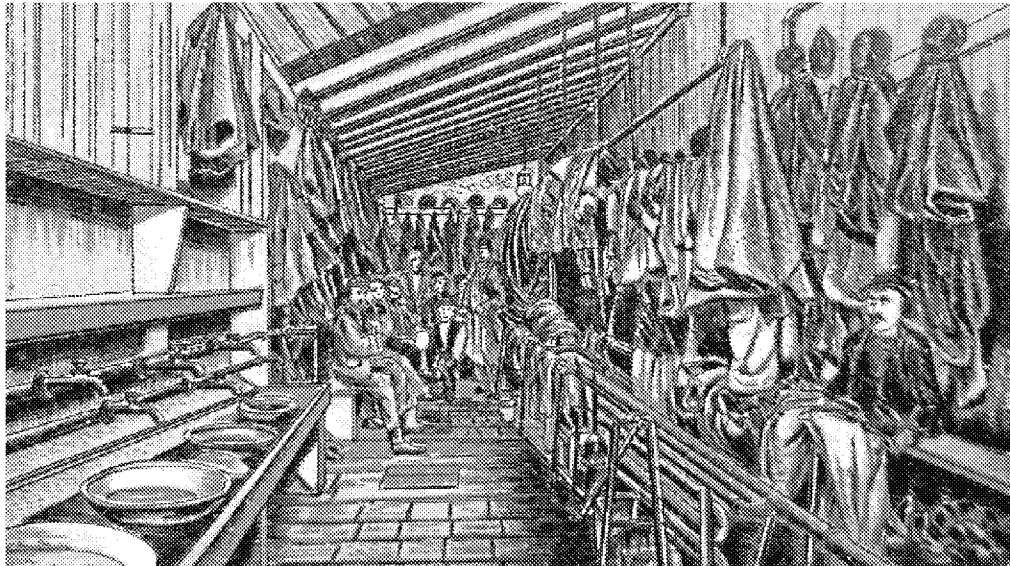


There was definitely some artistic license taken with this early-day photo of the Butte Public Library.



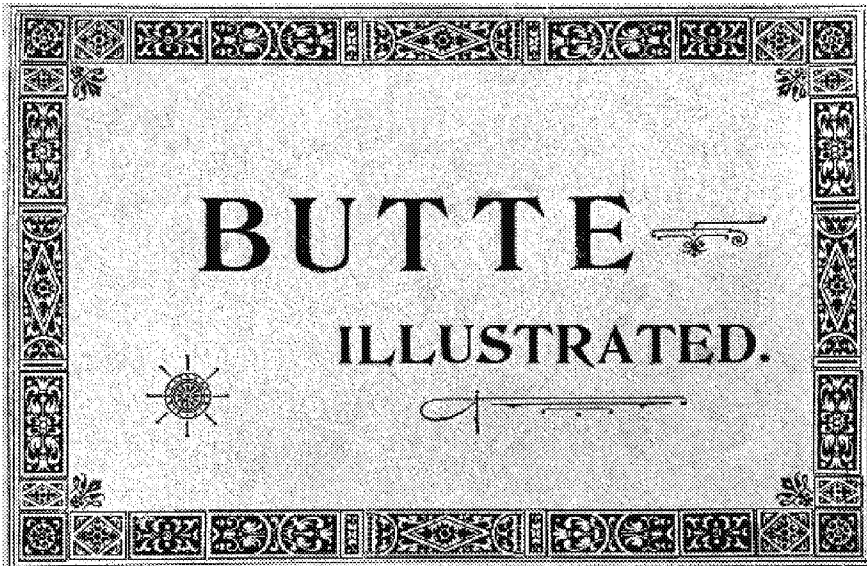
PHOTO COURTESY OF BUTTE ARCHIVES

They called themselves the "mighty Montana fishermen." Actually they are, from left, Ben E. Calkins, W.D. Thornton, Charles S. Henderson and Malcolm Gillis. For more than 25 years, the four men would gather each year to fish on the Madison River. Calkins, Thornton and Henderson, were one-time successful Butte businessmen, then moved elsewhere. Gillis was the lone man to remain in Butte. This photo was taken in 1925.

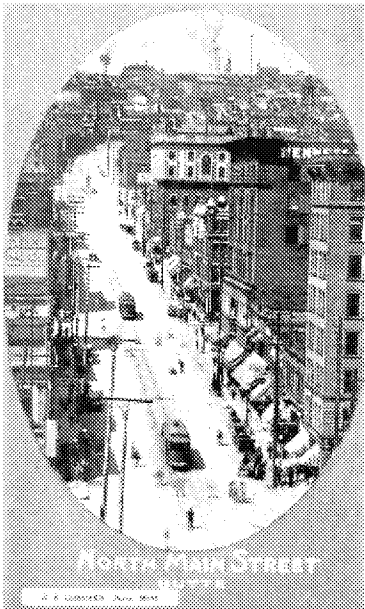


BUTTE ARCHIVES

Here's an illustrated version of what the dry room of a mine looks like.



This book of engraved drawings was published in 1898 by Ben E. Calkins. The drawings included a school, commercial buildings, private dwellings and of course, mines.



Looking north on Main Street, readers can view some buildings still standing today, including the Hennessy building and the Hirbour Block.

Calkins

From CI:

He was a lieutenant with the National Guard of Montana, joining in 1887, and served during the Spanish-American War of 1898. Following his service time, he was elected Butte's city treasurer, and in 1901, had the distinction of being the "only candidate elected on the Republican ticket."

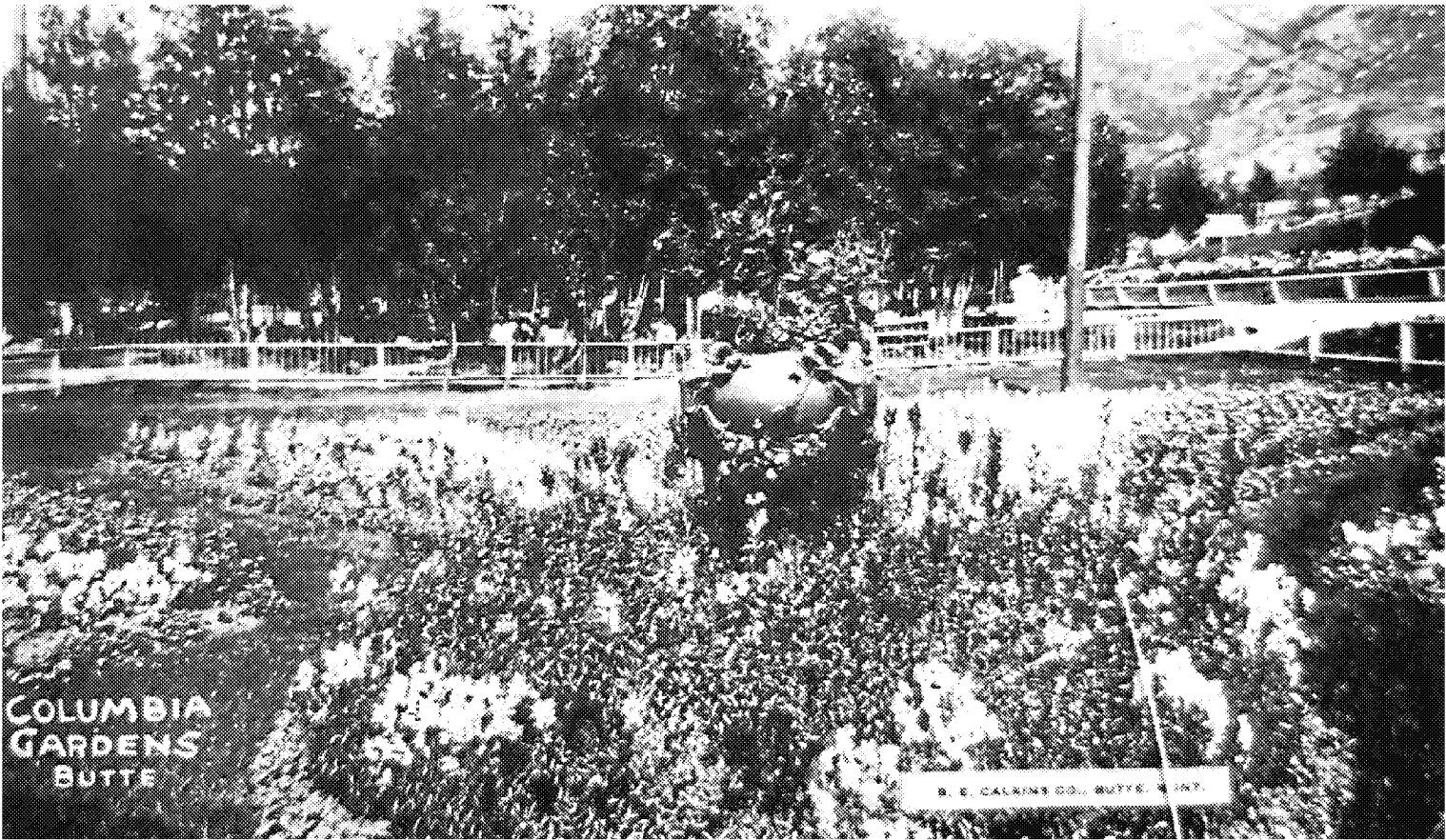
The following year, he was included in the book, "Progressive Men of Montana." It was noted that because of Calkins' devotion to the city's interests, he had gained "the endorsement of the citizens of Butte without regard to political affiliations."

Calkins' success continued, and by 1911 his business was referred to as the "businessman's department store."

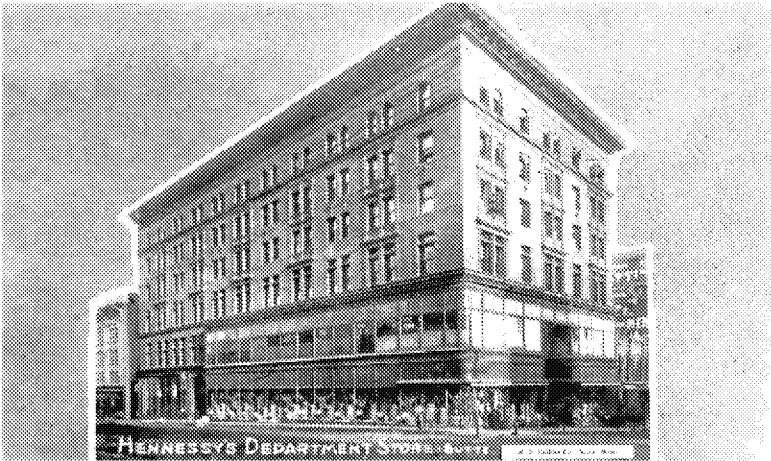
The business continued to expand, but by 1919, he and his family had moved to Los Angeles.

But Calkins didn't forget his adopted home and visited every summer for nearly 20 years.

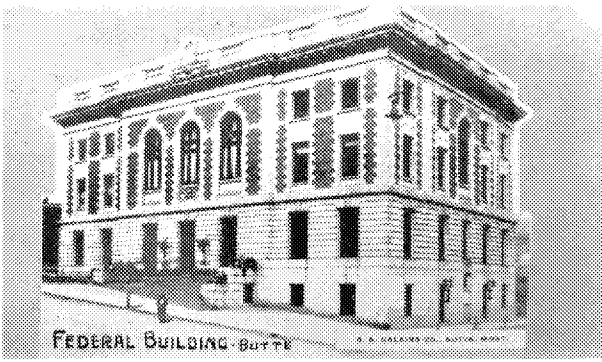
In 1939, Calkins, 76, died in Los Angeles, and his death made front-page news back in Butte. Twenty years may have passed, but just as Calkins had not forgotten Butte, the town, in turn, had not forgotten him.



Every year, the Columbia Gardens had an abundance of flowers.



For decades, Hennessy's was considered the best place to shop.



An early-day view of Butte's Federal Courthouse, which architecturally looks the same.

RIGHT: This caricature of B.E. Calkins appeared in the 1907 Butte Miner. The cartoonist was E.A. Thomson. It was part of a series titled "Men You Should Know."



SUDOKU ANSWER								
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Longtime dedicated linguists to choose word of decade

ALFRED LUBRANO
Tribune News Service

One word was used to epitomize the entire 20th century.

Was it “progress,” to mark the march of civilization from buggies to astronauts and the iPhone?

Maybe “upheaval,” to delineate genocides and civic unrest?

No. Try “jazz,” to describe not only music, but the sweep and swing of the quintessential American century, and the cultural flows that invigorated it.

Who gets to decide such weighty, wordy things? The little-known American Dialect Society, or ADS, founded in 1889, and dedicated to the study of the English language in North America.

ADS has been picking a word of the year since 1990, longer than any other entity. Its members selected “jazz” from dozens of possible words in January 2000.

Now fast forward to the first week of 2020, when 300 to 400 of the society’s language scholars are expected to meet in New Orleans to determine the word of 2019, as well as the even more consequential word of the decade that ends on New Year’s Eve. The word of the previous decade, by the way, was “google,” meaning “to search the internet.”

A fun bunch that’s not as tweedy or as uptight as you might think, society folks are known for their passionate, sometimes raucous, conclaves in which culture, politics, art and technology are distilled to their dense essence — a single word or phrase freighted with enough punch and validity to capture the zeitgeist.

“We keep our finger on the pulse of words in America,” said ADS member Dennis Preston, a linguist from Oklahoma State University. “We don’t take ourselves too seriously, and we do it with a certain amount of whimsy.”

“But never forget: Human language carries enormous meaning and symbolism.”

Along with the ADS, dictionary publishers also pick words of the year. Recently, Dictionary.com determined that the word of 2019 was “existential,” relating to world events involving climate change, gun violence and changing democratic institutions.

Last month, Oxford Dictionaries selected “climate emergency.”

“They’re just imitators,” sniffed Preston, who, at 80, believes he can get away with spewing tartly outrageous trash talk. “I’m happy Dictionary.com exercised their First Amendment rights coming up with ‘existential.’ But the authentic word of the year will be chosen by the American Dialect Society. Nothing is so flattering as imitation.”

Many people in the word-of-the-year business rely on reams of data to determine what popular words were looked up on search engines or were trending on Twitter in any given year, noted Ben Zimmer, the internationally known linguist and language columnist for The Wall Street Journal, who once penned the “On Language” column for The New York Times Magazine.

But, said Zimmer, who is chair of the New Words Committee of the ADS, the society’s words are harvested during nominating sessions followed by lively debates and show-of-hands votes.

“It’s basically from hundreds of language scholars who have a pretty keen eye on the way language develops,” Zimmer said. “We’ve never had fights. But discussions definitely become animated.”

The words of the year chosen by the ADS are not

necessarily new words; they could be old ones used in new ways, said Marianna Di Paolo, emeritus linguistics professor and ADS member from the University of Utah. One example is “occupy,” connected to the 2011 Occupy Wall Street protest against economic inequality.

“We observe what words have been salient,” she said.

During the last decade, the words of each year have bubbled out of the high-boiling soup of turbulent and tech-conscious times:

“App” in 2010. “Occupy” in 2011. “Hashtag” in 2012. “Because X” (a modern construction illustrated by the example, “Why would men wear capes? Because fashion”) in 2013.

“#BlackLivesMatter” in 2014. “They” as a singular pronoun in 2015. “Dumpster fire” (describing election-related “public discourse and preoccupations”) in 2016. “Fake news” in 2017. Last year, “tender-age shelter” (a euphemism referencing the facilities in which some immigrant children were separated from their parents). It beat out “the wall” (at the southern border).

The word of the decade

won’t necessarily be one of the yearly winners, Zimmer said. The ADS draws up lists of candidates that may not become words of the year, but might still have a shot at being the 2010-19 representative.

There are “most likely to succeed” words, thought to have legs beyond any single year, such as “ghost,” a verb from 2015 meaning to abruptly end a relationship by cutting off communication, especially online.

Other possibilities include “mansplaining” (let a woman define it for you); “selfie”; “Obamacare”; and the Generation Z exclamation “yeet,” among many more examples.

Just for fun, the ADS likes to make lists of “most unnecessary” words, which definitely won’t represent the decade. These include “manbun” (a man’s hair pulled into a bun); “baeless” (without a bae, or romantic partner); and “sharknado” (a tornado full of sharks, as featured in the Syfy Channel movie of that name).

Asked what he thinks the word of the decade will be, Zimmer was initially noncommittal, then added, “I wouldn’t be surprised if ‘they’ as a singular pronoun does very well,” he said.

Persistent harassment by ex spoiling wife’s happy divorce

DEAR ABBY: I am happily divorced after nearly 20 years of marriage to a narcissist. My ex cheated throughout our marriage, lied repeat-

edly and was abusive. He left me for another woman.

I realize now that he did me a favor by leaving. When

he left, I didn’t correct any of the lies he told his family, girlfriends, friends and acquaintances because I just wanted him out of my life. My issue is, he is still lying to everyone about how our marriage ended.

He rarely visits our son, and he complains about having to pay child support and alimony. I have asked him to leave me alone and not speak to me unless it’s about our son, but he won’t. I have warned him if he doesn’t stop bothering me I’m going to tell his girlfriend, family and friends the truth about everything. Should I tell them or just let it go? — BURDENED BY HIM IN FLORIDA

DEAR BURDENED: I think you should finally tell the whole truth to whoever will listen, which is what you should have done in

the first place. If you have proof, reveal it. Because you waited, you may be less credible than you would have been then, so be prepared.

You should also talk with a lawyer about the fact that your ex won’t leave you alone and keeps bothering you, because it could be considered malicious mischief or harassment, and there are laws against it.

DEAR ABBY: I have several friends who think it is OK to interrupt a conversation by shoving a phone in my hands to look at (1) their cute grandchildren, (2) the casserole they made yesterday, (3) how they looked after last week’s tennis match or something equally boring. How can I politely refuse them? — DON’T CARE IN EL PASO, TEXAS

DEAR DON’T CARE: If your conversation is being interrupted by a third party, it would not be rude to ask the person to please wait to show you the photos until you are finished. If, however, the person you are talking with does this, you are stuck. While I agree the behavior is rude, unless you want to risk offending, briefly offer the praise that’s being sought and hand the phone back.

DEAR ABBY: I have two young nieces who are

close in age. One of them just announced her plans for an elaborate wedding. The other sent a Christmas card together with her new boyfriend because they are now living together.

Does the niece who is forgoing marriage also forfeit her opportunity to acquire wedding gifts? Or does her card constitute a “coupling announcement” for which a gift card would be appropriate? — PERPLEXED IN CALIFORNIA

DEAR PERPLEXED: The niece who is cohabiting sent you a Christmas card, not a “coupling announcement.” Cross your fingers that all goes well for her and the boyfriend, and perhaps — in a year or two — you will receive an invitation for their wedding. (If you decide to attend, a gift would be in order at that time.)

TO MY READERS: The eight days of the Jewish celebration of Hanukkah begin at sundown. Happy Hanukkah, everyone! A joyous Festival of Lights to all of us!

Dear Abby is written by Abigail Van Buren, also known as Jeanne Phillips, and was founded by her mother, Pauline Phillips. Contact Dear Abby at www.DearAbby.com or P.O. Box 69440, Los Angeles, CA 90069.

Senior seeks medical reason her feet are freezing at night

DEAR DR. ROACH: I’m an 85-year-old woman with no major health problems. I lead an active life and exercise daily.

About four years ago, I began being bothered by cold feet at night. At first, I could just wear socks to bed. Now

I must put my feet in an electric heated pouch in my bed, which doesn’t stay in place. When I travel, I take the heated insoles skiers use to keep their feet warm. Without some device, I’m kept awake by a feeling of icy soles. I am not diabetic. I’ve described the problem to a neurologist, a rheumatologist and my primary caregiver. No one has explained what causes the icy feet or if there’s any cure. Is there one? — J.S.

ANSWER: There are quite a few possible causes for your cold feet, and your doctors need to

first identify why they are cold. To do this, they should start by checking the blood flow to the feet. At age 85, the likelihood of blockages to the arteries in your feet are pretty high. A simple test can make the diagnosis. Since blockages in the feet predict blockages in the heart too, it’s important to know. Treatment can improve symptoms as well as reduce risk of a heart attack.

Severe anemia and low thyroid levels can cause very cold feet. Nerve damage is common in diabetes and unusual without it, but a neurologist should have found physical findings for neurologic causes.

Raynaud’s syndrome, which usually happens in the hands, occasionally affects the feet preferentially to the hands. Medicines, especially beta blockers, can cause cold feet.

Sometimes there isn’t a known cause, and physicians are left advising on treatments to relieve symptoms. I wouldn’t give up before a circulation test, however.

DEAR DR. ROACH: Are there any trace amounts of mercury in flu shots? — D.K.

ANSWER: There is no metallic mercury in flu shots. A preservative called thiomersal is used in some flu shots (those in multidose vials), and this contains a small amount of organic mercury called ethyl mercury. The body is able to excrete ethyl mercury within weeks. Expert groups, such as the World Health Organization, have concluded that the tiny amount of ethyl mercury in flu vaccines is safe.

However, some people prefer not to get any preservative, so single dose vaccines are available. Those are preservative-free.

Dr. Roach regrets that he is unable to answer individual letters, but will incorporate them in the column whenever possible. Readers may email questions to ToYourGoodHealth@med.cornell.edu or send mail to 628 Virginia Dr., Orlando, FL 32803.

DAILY HOROSCOPE

ARIES (March 21 to April 19)
You can make some headway today dealing with your debt. You will see a better way of doing things, and it will be to your credit.

TAURUS (April 20 to May 20)
Difficulties with a partner or close friend can improve today. Look for ways to nurture your bond with this person.

GEMINI (May 21 to June 20)
Today you can see ways to make improvements at work or to introduce reforms. Likewise, you might see how to improve your health today.

CANCER (June 21 to July 22)
If you are involved with sports, the arts or working with children, today is full of opportunities because you see better ways of achieving your goals. You don’t have to work harder; you can work smarter!

LEO (July 23 to Aug. 22)
Look for ways to make improvements at home or where you live, because this is possible today. Today

you will put out the necessary energy to make this a reality.

VIRGO (Aug. 23 to Sept. 22)
You are highly persuasive today. If you need to convince anyone of anything, you will succeed. This is good news for those of you in sales, marketing, teaching and acting.

LIBRA (Sept. 23 to Oct. 22)
There’s always a better way to build a mouse trap, isn’t there? Today you might see a new angle on how you can boost your earnings.

SCORPIO (Oct. 23 to Nov. 21)
This is a good day to think about how to move forward with realizing important goals in your life. How do you want to make your life better?

SAGITTARIUS (Nov. 22 to Dec. 21)
A situation that is taking place behind the scenes might ultimately benefit you. However, you have to know what it is. Work to expand your awareness.

CAPRICORN (Dec. 22 to Jan. 19)

This is a good time to work with others for group goals and objectives. Figure out how to make this a win-win situation. Make their goals your goals, or vice versa.

AQUARIUS (Jan. 20 to Feb. 18)
New plans can improve how you want to achieve your objectives at this time. Do not be rigid. Be open to putting a new spin on things to get what you want.

PISCES (Feb. 19 to March 20)
Travel plans are exciting because you see new ways of doing something. You also might see a better way of getting the education that you want. Yes!

YOU BORN TODAY:
You are an optimist with a positive view of the world. You are ambitious, hard-working and determined to achieve your goals. It’s time to identify future goals because you’re entering a year of exciting new beginnings! What do you want for yourself in the next several years? Be proactive about going after what you want. This year you will be physically energetic!

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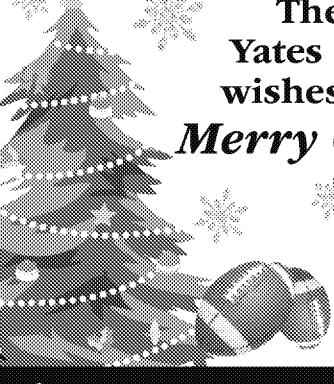
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1 chosen by the ADS are not

CAR TALK

Creeping is OK for automobiles

Dear Car Talk:

I'm in a long line of cars at a stop light. The car at the front of the line creeps forward. The next car does the same. It's my turn. The light is still red.



RAY MAGLIOZZI

My concern is the brakes. My thought is that I'm using brakes unnecessarily, adding wear and tear to them and shortening their life.

I feel like once I'm stopped, I'm done; the brakes have done their job. And if I just sit there and wait until the light turns green, I'm saving my brakes from further wear.

My husband, on the other hand, feels that creeping forward, which almost requires riding the brakes, is not hurting the brakes at all and keeps the idiot behind me from beeping his horn.

What say you, Oh Great One? — Janeen

Janeen, you've made my day. It's been ages since we've gotten a letter in which a husband is actually right.

The wear and tear on the brake pads and brake rotors is directly related to how hard the brakes have to work. And how hard the brakes have to work depends on the speed of the car.

And the truth is, at one or two miles per hour, the speed at which you creep forward at a traffic light,

the brakes are barely working at all.

In that way, they're very much like my late brother.

It's the equivalent of worrying about the wear and tear on your biceps from picking up a paper clip.

When you're trying to stop a 4,000-pound mass from 70 mph, it takes a lot of friction. And that friction is what wears away the pads and rotors. It takes very little friction to stop a car that's barely moving.

And here's another reason to keep up with the car in front of you: It helps you stay alert to when the light does turn green.

Have you ever been in this situation? You're at a red light, and the light turns green. But the guy in front of you is busy picking lint off his cashmere boxer shorts, and he doesn't move. Finally, you tap your horn, and he looks up, and realizes the light has been green for 20 seconds and there's no one in front of him. He floors it, and as he makes it through the light, the light turns red, and you're stuck again. Then you have to curse him and his progeny for all eternity.

Don't let that happen to you, Janeen. So, consider me pro-creep.

Got a question about cars? Write to Ray in care of King Features, 628 Virginia Drive, Orlando, FL 32803, or email by visiting the Car Talk website at www.cartalk.com.

GLANCE INTO THE PAST



MONTANA STANDARD ARCHIVES

In 1904, St. Nicholas came all the way from the North Pole to deliver "peace and goodwill."

SUNDAY CROSSWORD

Los Angeles Times Sunday Crossword Puzzle

Edited by Rich Norris and Joyce Nichols Lewis

"AT THE HELM" By PETER KOETTERS

ACROSS

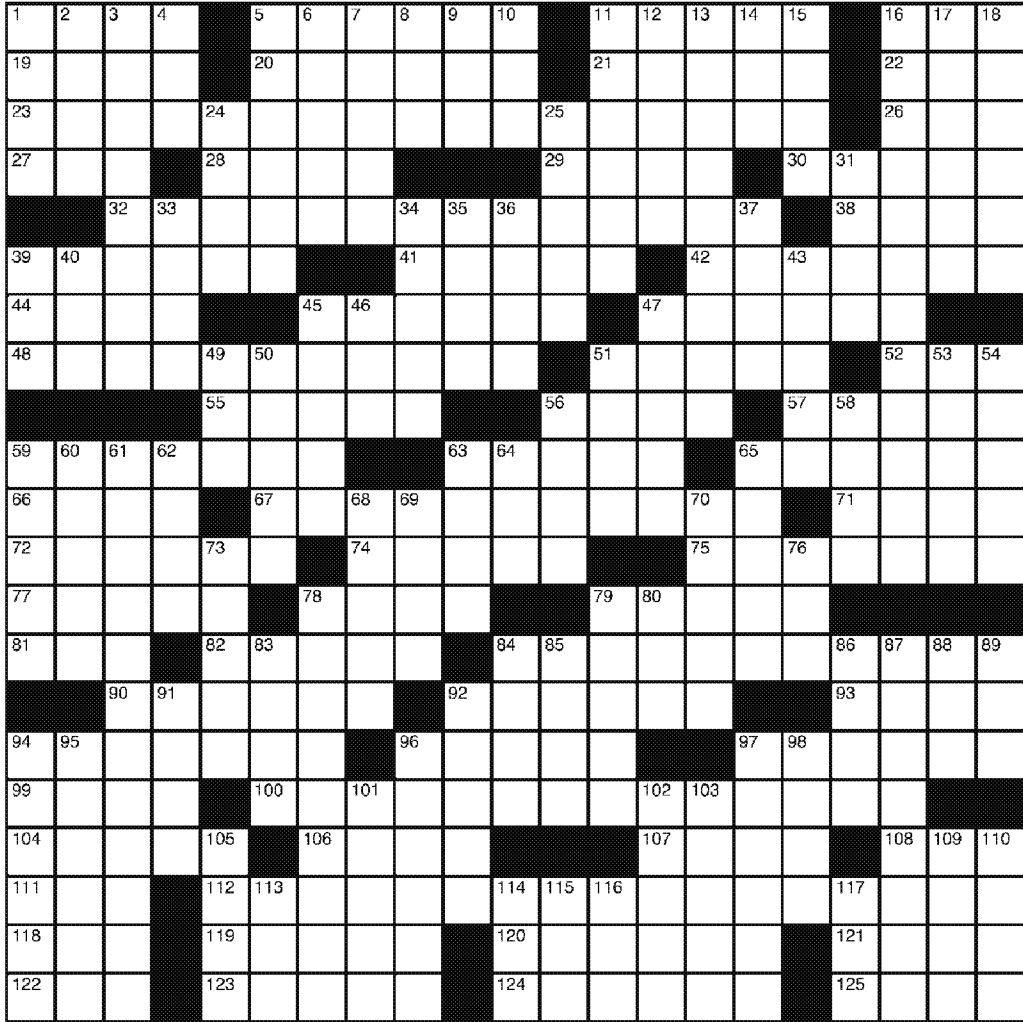
- 1 Glimpse
- 5 Way up
- 11 "Modern Family" network
- 16 Bush found in Florida
- 19 Taiwanese superstar Jay
- 20 Indiana Big Ten school
- 21 Anne of comedy
- 22 Kerfuffle
- 23 "Without hesitation"
- 26 "Young Sheldon" network
- 27 Big-eyed bird
- 28 Johns in Scotland
- 29 Thought of Monet
- 30 Farm team links
- 32 "Opponent of the U.S. entry into WWII"
- 38 Poop out
- 39 Certain noble's domain
- 41 "Speed-the-Flow" playwright
- 42 Broadcasts
- 44 Underway, in a way
- 45 Upbraids
- 47 Bear witness
- 48 "'Sheik of ... burning sand'" in a Ray Stevens hit
- 51 Michelangelo work
- 52 Curable ailment
- 55 "Death, be not proud" poet
- 56 Stylish Christian
- 57 Espresso foam
- 59 "Death Wish" star Charles
- 63 Tire material
- 65 Unkempt
- 66 Automation prefix
- 67 "Back-to-basics food regimen"
- 71 "J'Accuse..." author
- 72 Middle-earth tongue
- 74 Modeling agent?
- 75 Rubber glove materials
- 77 Kavanaugh colleague
- 78 Awestruck
- 79 Chile con ____: cheesy Tex-Mex sauce
- 81 Brit. medal
- 82 Fountain choices
- 84 "Moments requiring decisive action"

DOWN

- 1 Smart speaker brand
- 2 Display
- 3 Lifeguard's domain
- 4 Goofy laugh
- 5 Drone shelter
- 6 Largest division of Islam
- 7 Dramatic mus. marking
- 8 Writer LeShan
- 9 Vow taker
- 10 Youngest of nine Kennedy siblings
- 11 In the thick of
- 12 "John Brown's Body" poet
- 13 Self-indulgent sort
- 14 Numero di colori on the Italian flag
- 15 Verb associated with mileage
- 16 "Food chain with a roundheaded spokesman"
- 17 Stefan of tennis
- 18 Heads
- 24 Legal encumbrance
- 25 Horse fathers
- 31 Elevator guy
- 33 Ancient Dead Sea kingdom
- 34 Dino's love
- 35 FDR's dog
- 36 Cinephile's website
- 37 "Hud" director
- 39 Barnyard bleat
- 40 Tray filler
- 43 Come to, as an agreement
- 45 Medicinal shrub
- 46 Spam holder
- 47 Garlicky sauce
- 49 NFL stats
- 50 Bootlegger's haul
- 51 Variegated
- 53 Mosey
- 54 Chichén Itzá builders
- 56 Overrule
- 58 Bulldoze

- 59 Basketful on the table
- 60 Basketful on the table
- 61 "1990 Paul Simon song, with 'The'"
- 62 "____ isn't!": emphatic rebuttal
- 63 Industrial settler?
- 64 Duty
- 65 Tuck away
- 68 Like the Impossible Burger
- 69 Heroic poem
- 70 Pick
- 73 San Bernardino Co. is part of it
- 76 Tater
- 78 Bing Crosby's role in "Robin and the 7 Hoods"
- 79 Westernmost South American capital
- 80 Young ____
- 83 Reluctant assent
- 84 One-named singer

- 85 Vegas rival
- 86 Caltech, e.g.: Abbr.
- 87 Guy's grooming portmanteau
- 88 Pre-1868 Tokyo
- 89 Jug band instrument
- 91 bar
- 92 Cheery refrain
- 94 Auto-injector brand
- 95 Big citrus fruit
- 96 Raisin, British whodunit sleuth named for a British writer
- 97 Change in form
- 98 Something under the sink
- 101 Chilly
- 102 With feigned shyness
- 103 Logical "razor" creator
- 105 Bean bags?
- 109 Bakery array
- 110 Reverse
- 113 Iowa college
- 114 Spleen
- 115 Indian 59-Down
- 116 "Les ____"
- 117 Stout source



12/22/19

xwordeditor@aol.com

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Bridge results

Dec. 12

North South A Division

- 1. Beverly Hadley-Bob Hadley
- 2. Linda Young-Helen Downdall
- 3. Carol Nelson-Patty Cookson

B Division

- 1. Beverly Hadley-Bob Hadley
- 2. Carol Nelson-Patty Cookson

C Division

- 1. Beverly Hadley-Bob Hadley

East West A Division

- 1. William Ralph-Janet Ralph
- 2. Larry Keller-Rose Keller
- 3. Danny Matteucci-William Kebe Jr.

B Division

- 1. Larry Keller-Rose Keller
- 2. Danny Matteucci-William Kebe Jr.

C Division

- 1. Theresa Hubbard-Tom Joyce

Dec. 15

North South A and B Divisions

- 1. Virginia Kebe-William Kebe Jr.
- 2. Jean Flink-Julia Keenan
- 3. Kate Chioutsis-Sue Cullen
- 4. Theresa Hubbard-Charleine Robinson

C Division

- 1. Kate Chioutsis-Sue Cullen
- 2. Theresa Hubbard-Charleine Robinson

East West A Division

- 1. Larry Keller-Rose Keller
- 2. William Ralph-Janet Ralph
- 3. Ervin Hedgaard-Ken Boyle
- 4. Mary Pat Kasperick-Joseph Kasperick

B Division

- 1. Larry Keller-Rose Keller
- 2. Ervin Hedgaard-Ken Boyle
- 3. Mary Pat Kasperick-Joseph Kasperick
- 4. Sharon Smith-Ann Hanson

C Division

- 1. Ervin Hedgaard-Ken Boyle
- 2. Sharon Smith-Ann Hanson

Dec. 16

A Division

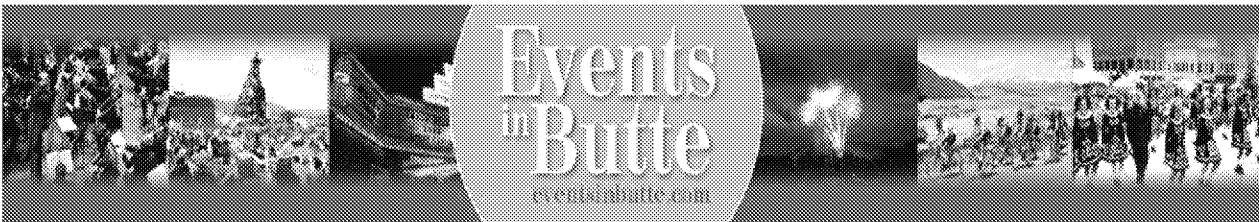
- 1. Janet Raplh-Deb Parks
- 2. Mary Pat Kasperick-Linda Young
- 3. Kathy Lovell-Ken Boyle
- 4. Jack Cookson-Wiliam Kebe Jr.
- 5. Danny Matteucci-Jean Matteucci

B Division

- 1. Kathy Lovell-Ken Boyle
- 2. Danny Matteucci-Jean Matteucci

SUNDAY SUDOKU

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	5			3		7		
				6			3	8
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3				4				6
4		2	6					
2	4			5				
		3		8			2	
		9	2	1	6			



CHAMBER CHAT

Retreat helps set path for new year

2019 ends in high note

The Butte Chamber of Commerce is in the holiday spirit and ready to ring in another great year to live, work and play in Beautiful Butte.

The month of December kicked off our annual Board Retreat. We had over 30 board members who attended a business meeting and retreat led by Father Patrick Beretta. A follow up to the work

started will continue into January to plan the rest of the year to help set a path for 2020.

We are grateful to take this time of year to reflect on the over 435 members that are a part of the Butte Chamber of Commerce that make our mission and contributions to the community all possible.

We welcome our new members Edward Jones & Associates Bill Daily, Walt McIntosh, John Chioutsis, Gretchen Leipheimer, Jeff Hartwick, and Scott Blando, Mining City Center, Eagle Beverage, Wendy's, Dan Battelson and Kinetic Fitness.

In November and December we celebrated the following businesses with Ribbon Cuttings:

Russel Cellular / Verizon Wireless * True Value Remodel * Wendy's Remodel

We thank these businesses for their continued investment in our community.

We also had a Business After Hours at Berkshire Hathaway in November to kick off the holiday season.

The hustle and bustle of the holiday season started early this year. I was fortunate to be invited to be part of a panel of speakers at the Butte Real Estate Summit in late October. Members of the community as well as business leaders came out to hear about the current Real Estate updates and how they relate to our community.

The Chamber has been in partnership with Butte Local Development Corporation, as well as several community members, in working toward the community's Fly Butte Initiative Campaign to secure an additional air provider in the Butte Airport. We got an announcement this month that Delta via Sky West Connection will continue to serve the Butte community, so our efforts will be focused to secure a Denver Connection out of Butte. I am proud to announce that we have raised over \$194,000 in funding with a \$200,000 match from the TBID.

In November Butte hosted Special Olympics. The outpouring of love and support that came from our community was overwhelming. Thank you Butte for giving and then giving more.

As we get ready to close out another decade ... we reflect on what really matters and that is family, friends and health. Here's to a prosperous year and a happy and healthy holiday season.

For more information on how you can become a Butte Chamber member contact me at marketing@buttechamber.org.

Happy Holidays!



STEPHANIE SORINI



BEN ALLAN SMITH, MISSOULIAN

Sidney Watson packs groceries into reusable bags at Missoula Fresh Market on Tuesday. Missoula Fresh Market provided its customers with reusable bags for the past few months in an effort to curb the amount of plastic used in store.

\$17K raised for food banks

Reusable bags at Missoula Fresh Market help earth and charity

DAVID ERICKSON
david.erickson@missoulain.com

MISSOULA — A “multi-layered” fundraiser involving Missoula Fresh Market, its customers and a dozen local businesses raised nearly \$17,000 this holiday season for the Montana Food Bank Network and helped the environment at the same time.

On Tuesday, Fresh Market owner Ron Ramsbacher presented a check for \$16,799 to Cassidy Green, the marketing and events coordinator for the Montana Food Bank Network, which works to reduce hunger across the state and provides emergency food assistance to those in need.

The grocery store gave out free reusable green tote bags to customers for the past couple

of months in an effort to limit the use of plastic bags. In exchange, they gave customers the option of donating to the Montana Food Bank Network at the cash register. Local businesses purchased thousands of the bags as well and gave them to their staff.

“The idea is to help with the food bank and have our vendors and business partners purchase the bags,” Ramsbacher said. “It was kind of a three-way fundraiser with a little bit of the thought process to eliminate some of the plastic bags in Missoula too. We wanted to have a multi-layered fundraiser.”

First Interstate Bank and Republic Services each purchased 5,000 bags, while D.A. Davidson's Ray Round and Sydney Carlino purchased 2,000. Other vendor sponsorships include Wheat Montana, Boar's Head, 406 Pepsi, Bayern Brewery, Meyer's Natural Beef, Missoula Electric Co-op, Energy Partners, GW Petroleum, Blackfoot

Communications and the City of Missoula's Zero Waste by Fifty program.

Chad Bauer, a manager at Republic Services, said he “was excited to participate and shares the vision of helping to limit the use of plastic bags in the Missoula community.”

Green said the money allows the Montana Food Bank Network to reach its annual fundraising goal of \$70,000 this year.

“It's just a huge support from the community and something that means a lot to our neighbors,” she said. “The holidays are one of our busiest times of year, but it's also one of our happiest times of year because we see our community come out in full arms volunteering and working in Missoula and the entire state.”

She said the money will help put food on the plates of people that “might otherwise go without food this holiday season.”

“It also helps feed into the

rest of the year,” she said. “Donations are slower during the summer so it helps support us throughout the entire year to keep us going.”

Donnie Richard, a 16-year bagger at Missoula Fresh Market who was wearing his Special Olympics medallion for basketball proudly around his neck on Tuesday, said he sees a lot of people using the reusable bags and forgoing plastic.

“I've given out 1,000, maybe more,” he said.

Ramsbacher said the store doesn't even keep track of how many bags the company goes through in a year, but the reusables will take a big dent out of it.

“We encourage all of our customers to use these or other reusable tote bags in our stores,” he said. “We are excited that the Missoula community supported this effort in two ways. One was to use the totes and the other to contribute to Montana Food Bank Network.”

Weyerhaeuser to sell Montana timberland

SEABORN LARSON
seaborn.larson@missoulain.com

MISSOULA — U.S. timber giant Weyerhaeuser Company on Tuesday announced it has agreed to sell its Montana timberland to a private timberland investment company.

Weyerhaeuser has agreed to sell 630,000 acres of Montana timberland to the company for \$145 million in cash. The deal puts 110,000 acres into a conservation easement, according to the announcement. The company did not name the prospective buyer.

A longtime agreement with the state had opened that acreage to public use, a tradition since the land was owned by Plum Creek and earlier Champion International. A media contact for Weyerhaeuser declined Tuesday to comment on details of the deal; the public access status of the land outside the 110,000 acres in conservation easement was not clear.

According to the news release from Weyerhaeuser, the company's three manufacturing facilities in Montana will

“not be affected by the announcement.”

“Our manufacturing operations in Montana continue to deliver strong results,” said Weyerhaeuser President and Chief Executive Officer Devin Stockfish. “Our people have done an outstanding job driving improvement in safety and operational excellence over the past several years, and they also do terrific work to support the communities where we operate.”

“The sale of our Montana acreage is part of our ongoing effort to strategically optimize our timberland portfolio,” Stockfish said. “The transaction includes a diverse mix of softwood species and an existing 110,000-acre conservation easement which preserves public access in perpetuity.”

The transaction is expected to be completed in the second quarter of 2020, according to the release.

Nancy Thompson, a media contact for Weyerhaeuser, declined to comment on the private investment company or questions about whether the

Montana facilities will be affected beyond the announcement of the sale.

Weyerhaeuser and Plum Creek, the timber company that previously owned the land, had welcomed use of its timberland for recreation, hunting, fishing, camping and trapping, in an agreement with Montana Fish, Wildlife and Parks.

Weyerhaeuser's agreement with FWP opened 591,358 acres to public use. The company's announcement Tuesday did not describe the prospective buyer's plans for future use of the land.

John Sullivan, chairman of the Backcountry Hunters and Anglers, on Tuesday voiced his concerns about the loss of public access, and he said the conservation group remains “strongly invested in maintaining existing access opportunities to these valuable areas.”

“Montana's timberlands have traditionally served as a great resource for hunters, anglers and other recreationists seeking public access,” Sullivan said in an email. “This is a prime ex-

ample of why groups like BHA have been pressing for full, dedicated funding for public access programs like the Land and Water Conservation Fund. Full funding of LWCF would help ensure that transactions like these could result in an overall increase in public access.”

Weyerhaeuser owns or controls approximately 12 million acres of timberlands in the United States.

In 2016, the company purchased Plum Creek timber company, which included 880,000 acres and a handful of facilities in Montana, for \$8.4 billion. When the land changed hands then, Montana Gov. Steve Bullock and State Auditor Monica Lindeen, both Democrats, among others, warned Weyerhaeuser that ending the open lands tradition on the timber company's reach would “not be well-received in Montana.”

Tuesday's announcement follows Weyerhaeuser's Nov. 30 sale of 550,000 acres in Michigan to The Lyme Timber Company LP for \$300 million, as reported by the Detroit Free Press.

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For some, gift experiences trump more stuff

LAUREN ZUMBACH
Tribune News Service

CHICAGO — Bridget Anderson likes to be creative when picking out holiday presents for friends and family. But finding the perfect gift for her mom was an annual struggle.

“She’s not super materialistic,” said Anderson, 26, of Chicago. “She would ask for practical things, like socks.”

Three years ago, she and her sister got their mom tickets to the musical version of Disney’s “Aladdin.” The gift of a family night out for dinner and a show has been their tradition ever since. This holiday season, she’s also forgoing tangible gifts for her dad, who will get concert tickets. And instead of exchanging gifts with her boyfriend, they’ll take a trip in January to Mexico.

“It’s a nice Christmas gift to get to spend time together, and not just give meaningless stuff,” she said.

The holidays have always been important for retailers selling staple gifts like sweaters and toys. But a growing share of consumers are considering swapping

stuff for gifts that let recipients explore a new hobby or enjoy a night on the town. Businesses from cooking schools to theaters say they’re benefiting from interest in gifts of experiences, despite risks of giving presents that can be tough to return, not to mention challenging to wrap.

Half of consumers surveyed on their 2019 holiday shopping said they prefer experiences to tangible gifts, a trend that has been “up across the board” in recent years, said Diana Smith, associate director at market research firm Mintel, which conducted the survey.

Activities like dining out, traveling and entertainment are among the most common ways consumers say they’re spending discretionary money, she said. When Mintel asked consumers about their goals, one of the most popular answers was trying new things.

“There’s just a different mindset among consumers around how they’re living their lives,” Smith said.

Businesses from cooking schools to cultural institutions

say that mindset change brings a boom in gift sales during the holidays.

December gift card sales at the Goodman Theatre in Chicago have grown 28% over the last five years, said marketing director Jay Corsi, though he attributes some of the growth to a promotion in recent years giving anyone buying a \$100 gift card between Black Friday and Christmas an extra \$20.

At Chicago Photography School, sales of gift certificates grew about 10% during last year’s holiday season compared with 2017, and could see similar growth this year, partner Nick Sinnott said. About 80% of all gift certificates sold are bought in November and December.

“We get a call or email at least every other day, if not once a day, from Thanksgiving through Christmas and Hanukkah,” Sinnott said.

Despite the boost it gives the bottom line, the holiday rush can be a challenge if recipients all try to use their gifts soon after celebrating.

January and February cooking

classes at The Chopping Block are “crazy full,” said marketing manager Andrea Miller. “Gift cards are burning holes in people’s pockets.”

Nearly 60% of all gift cards sold at The Chopping Block’s locations Chicago’s North Side are purchased between October and December, she said. Classes often run between \$60 and \$100, though all-day and multi-day “boot camps” cost more.

Some gift-givers turn to experiences because they want to avoid buying stuff that might be quickly forgotten. But they’re also popular with last-minute shoppers because gift certificates for experiences often can be purchased online and printed immediately.

At Aloft Circus Arts, which teaches trapeze-flying and tight-rope walking, people tend to buy gift classes in November or the week of Christmas, said Christine Conroy, manager of education programming.

“You’re either a planner, or you’re really last minute. There’s not a lot in the middle,” Conroy said.

Still, don’t expect a package-free holiday season anytime soon. Tangible items are still more common purchases.

“There’s a risk they might not like it or really use it. It might be easier or safer to get a tangible gift that can be easily returned,” said Mintel’s Smith.

But there is a risk the recipient simply won’t redeem an I.O.U. for an experience. People who want to give a show at the Chicago Magic Lounge in Ravenswood for the holidays tend to purchase gift certificates, which don’t require committing to a date, while those buying for a birthday or anniversary more often purchase tickets to a specific show and plan a night out with the recipient, said marketing director Cynthia Ferkol.

According to a 2018 survey by Consumer Reports, nearly 20% of Americans own three or more unused gift cards. Consumers with cards they hadn’t spent said they had \$50 on average left on their cards, though it wasn’t clear how long they had gone unredeemed, said Consumer Reports communications director Barrie Rosen.

CHRISTMAS

EARLY DEADLINES

The Montana Standard will have early deadlines for Monday, Dec. 23rd through Monday, Dec. 30th editions due to the Christmas Holiday. Thank you for your understanding and have a safe holiday!

— DAILY PUBLICATION —

PUBLICATION DAY	DEADLINE (Reservation & Copy)
Monday, Dec. 23rd	Wednesday, Dec. 18th at 5pm
Tuesday, Dec. 24th	Wednesday, Dec. 18th at 5pm
Thursday, Dec. 26th	Friday, Dec. 20th at 5pm
Friday, Dec. 27th	Monday, Dec. 23rd at 5pm
Entertainment Guide, Dec. 27th	Tuesday, Dec. 24th at 12pm
Saturday, Dec. 28th	Tuesday, Dec. 24th at 12pm
Sunday, Dec. 29th	Tuesday, Dec. 24th at 12pm
Monday, Dec. 30th	Thursday, Dec. 26th at 5pm

— MINI NICKEL PUBLICATION —

PUBLICATION DAY	DEADLINE (Reservation & Copy)
Dec. 26th	Monday, Dec. 23rd at 2pm
Jan. 2nd	Monday, Dec. 30th at 2pm

The Montana Standard will be closed Tuesday, Dec. 24th at noon and Wednesday, Dec. 25th so that our employees may spend time with their families. Happy Holidays to you and yours!



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KATERRA

REQUESTS FOR PROPOSAL (RFP)

Butte Housing Portfolio

Silver Bow Homes
Leggat Hotel
Elm Street Apartments
Rosalie Manor

Katerra Construction is accepting proposals for the renovation of the projects listed above from qualified subcontractors. This is a Davis Bacon Wage project. Wage requirements can be obtained at <http://erd.dli.mt.gov/labor-standards/state-prevailing-wagerates>.

Consistent with Section 3 of the Housing and Community Development Act of 1968, regulations governing the funding requires that to the greatest extent feasible, opportunities for training and employment arising in connection with this project will be extended to local lower-income residents. Further, to the fullest extent possible, business concerns located in or substantially owned by inhabitants of the project area will be utilized. Disadvantaged business enterprises are encouraged to apply.

Copies of the detailed request for proposals (RFP) can be obtained by contacting Mimi Early with Katerra at mimi.early@katerra.com.



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Bank: Homebuying age on the rise

FELICE MARANZ
Tribune News Service

NEW YORK — The vision underpinning the American dream — of fresh-faced young people buying a first home with a white-picket fence — hasn't held up well.

It turns out that the median age of the U.S. homebuyer is now 47, compared with 31 in 1981, Deutsche Bank chief economist Torsten Slok wrote in a note.

"This is driven by an aging population, affordability, higher student debt levels, and tighter mortgage-lending standards for young people and individuals with lower credit scores," Slok said. Those forces have contributed to lower levels of residential mobility, he added.

Slok flagged an eight-year gain in the median homebuyer age since the financial crisis. The median age hasn't been below 40 since then, when it was 39.

Among publicly traded homebuilders, Toll Brothers Inc. has the "most exposure to the move-up luxury market — which tend to be older more well-heeled buyers," Bloomberg Intelligence's Drew Reading said.

Reading called the move-up segment a "comparatively weaker part of



STEVE HELBER, ASSOCIATED PRESS

An "under contract" sign is posted earlier this year outside a home on Park Avenue in Richmond, Va.

the market" as builders shift away from it. Demand drivers going forward are more important, he added. That will come from "the younger cohort."

Toll Brothers shares have gained 21% so far this year versus a 56% rally for the S&P Supercomposite Homebuilding Index and a 24% rise for the S&P 500.

Bullock appoints area residents to boards

Gov. Steve Bullock recently appointed the following area people to state boards:

State Workforce Innovation Board

■ Dean Bentley, Butte. Qualification: Business Representative. Bentley is a Labor Relations Analyst for Northwestern Energy.

■ Commissioner Michael McGinley, Dillon. Qualification: Local Government Elected Official. McGinley is a County Commissioner in Beaverhead County.

Upper Clark Fork River Basin

Remediation and Restoration Advisory Council

■ Maureen Connor, Philipsburg. Qualification: Citizen Voting Member. Connor is a retired Granite County Commissioner.

■ Jim Davison, Anaconda. Qualification: Citizen Voting Member. Davison is retired after serving in Economic and Local Development.

■ Katherine Eccleston, Anaconda. Qualification: Citizen Voting Member. Eccleston is retired after serving as a full-time instructor at Montana Tech.

■ Jim Kambich, Butte. Qualification: Citizen

Voting Member. Kambich is the President/CEO of Montana Economic Revitalization and Development Institute (MERDI).

■ Susan Peterson, Drummond. Qualification: Citizen Voting Member. Peterson is a retired teacher and still running her family ranch.

■ Mick Ringsak, Butte. Qualification: Citizen Voting Member. Ringsak is a Butte businessman and former Region VIII Administrator for the Small Business Administration.

■ Maggie Schmidt, Deer Lodge. Qualification: Citizen Voting Member. Schmidt is the Ranch Manager for Burnt Hollow Ranch.

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 - Leadership Coaching
- Life Coaching
 - Occupational and Career Counseling
 - Outdoor/Wilderness Counseling
 - Parent/Child Advocacy
 - Parenting Support, Advocacy, and Coaching
 - Professional Consultation
 - Shuttle Service
 - Stress Management
 - Substance Abuse Counseling
 - Testimony or Deposition



Tristen Valentino, LCPC
Clinical Director, Clinical Therapist

Tristen believes that the challenges we face in our lives are obstacles to be overcome, and can provide opportunities for growth. He strives to empower his clients with the skills and tools necessary for them to reach their highest potential, and achieve their most ambitious goals.

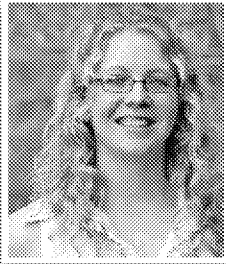
- Specializes in children with special needs and their families, angry teens, and disconnected couples
 - Builds strong, safe relationships
 - Believes the distress and dysfunction a person feels in his or her life comes from suppressed or improperly expressed emotions
 - Practices from an EFT orientation (Emotionally Focused Therapy) and takes a strength-based, solution-focused approach with clients
- Has experience helping people with: mood disorders (anxiety and depression), trauma, eating disorders, psychotic disorders, personality disorders, sexual disorders, and addictions
 - Worked with law enforcement and other first responders, such as fire fighters and EMT/Paramedics
 - Served in the United States Marine Corps and has worked with active duty military personnel and veterans

Desiree Valentino, M.Ed., M.A.

Behavior Modification and Intervention Specialist

Desiree is a behavior modification and intervention specialist, special education teacher, inclusion specialist, and parent/student advocate. She brings 9 years of teaching experience to the practice, and a passion for working with children and families of all needs and abilities.

- Desiree believes in inclusive education, and that children need adults and professionals in their lives to believe in them and help them pave their way toward success
 - Has experience working with: students with autism, blindness and other visual impairments, chromosomal disorders, deaf-blindness, deafness and other hearing impairments, emotional disturbances, intellectual disabilities, life threatening illnesses, multiple disabilities, orthopedic impairments, seizure disorders, severe medical conditions, specific learning disabilities,
- speech or language impairments, and traumatic brain injuries
 - Has collaborated with families, schools, and communities
 - Developed individualized education programs, created inclusive special education programs, trained other special education teachers and support staff, collaborated with specialists and medical professionals, trained community members on how to be more inclusive, and provided community services to children and families in Montana



Lisa Pesanti, LCPC, LAC
Clinical Therapist, Licensed Addiction Counselor

She strives to help clients recover and begin a new life by guiding them to discover the onset of their pain.

- Specializes in addictions and trauma counseling
 - Practices from an experiential approach, activating all the client's senses
 - Meets the clients where they are, creating a caring and nonjudgmental environment
 - Trained in EMDR (Eye Movement Desensitization and Reprocessing)
- Has experience working with men and women with varying backgrounds from mild situational concerns to those who have suffered deeply with grief and trauma
 - Certified in Batterer Intervention, with experience working with men with violent charges and anger issues

Candace Carle, LCSW

Clinical Therapist

Candace is deeply invested in the Butte Community. She is passionate about teaching people to live their best lives through meeting them where they are at, and knowing that individuals are only able to do the best they can with the tools and abilities they have.

- Specializes in adolescent and adult women with anxiety, depression
 - Believes behaviors, thoughts, and emotions drive decisions
 - Works with clients to create alternative expectations
 - Trained in CBT (Cognitive Behavior Therapy) through the Beck Institute
- Operates from a person-in-environment, strength-based, and person-centered approach
 - Has experience working with youth in inpatient and corrections environments



Nick Lumpkin, PCLC
Clinical Therapist

Nick helps his clients create positive change in their lives, and assists them on their journey of self-actualization. Nick's therapeutic focus is to lead his individual clients on the path that will help them become what they strive to be in life, through compassion, encouragement, and various therapeutic modalities.

- Specializes in children, adolescents, and adults with anxiety, depression, and trauma
 - Practices from a PCT (Person-Centered Therapy) approach
- Has experience working with psychotic disorders, mood disorders, addiction, and trauma
 - Served in the United States Marine Corps and has experience working with veterans

Holly Priscu, JD, PCLC

Clinical Therapist

Holly is a true advocate for her clients while providing them with a safe space for therapeutic self-exploration and healing.

- Graduated from Humboldt State University
 - Obtained MS in Counseling from Montana State in 2019
 - Works with individuals and families who are caught up in the criminal justice system
- Holly has experience with mood disorders, personality disorders, schizophrenia/psychosis, substance abuse, and many other areas
 - Holly has worked with people of all ages from teens, adults, couples, members of the LGBTQIQA community, and clients of different ethnicities and backgrounds



Magen Hauser, PCLC
Clinical Therapist

Magen supports her clients by helping them find strength from within. She is a firm believer that each person has everything they need to reach their full potential.

- Bachelor's degree in Psychology at Valparaiso University
 - Has served the diverse needs of children, adolescents, and adults in correctional settings, hospitals, trauma clinics, and other community settings
- Magen integrates Humanistic, Existential, and Psychodynamic theories into her clinical approach
 - Specializes in children, adolescents, and adults
 - Incorporates therapy techniques from art, music, and movement into her practice

Tristyn Howard

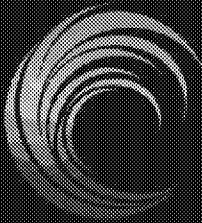
Office Manager

Born in Butte, and a graduate of Whitehall High School, Tristyn joins Serenity in Motion as the Office Manager.

- Experience in customer service and administrative support positions
 - Currently pursuing a bachelor's degree in Health Science from Arizona State University
- Tristyn wants to help others with her experience and knowledge of the health sciences and assist people on their journey for positive change
 - Tristyn has experience being around individuals with Post Traumatic Stress Disorder as well



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Poul Henningsen's iconic PH Artichoke pendant lamp from 1958 is considered to be a masterpiece of mid-century design, \$10,217, hivemodern.com

Wooden whimsy

Blu Dot's walnut Rook table lamp adds a whimsical touch to the dark days, \$239.20, bludot.com

Spectacular simplicity

This Tapered Shade floor lamp makes a minimalist statement in bright red, \$115.75, westelm.com

Made in the shade

Lamps that brighten winter days and nights

DARCEL ROCKETT | Chicago Tribune

Dark, dreary winter skies got you down? Make the most of the season with a shopping trip to find some home decor that will light up your life with a bit of panache. After all, you will be waking in the dark and going home in the dark over the next several months. We found these lamps that may do the trick:

Notes of nature

Mooi's 80-inch-high Brave New World floor lamp has a natural oak frame grounded with cast iron weights, \$4,390, hivemodern.com

Bold statement

The aluminum Piani table lamp from Flos has a base that can be used as a tray where objects can be displayed in a beam of light as if they were on stage, \$395, hivemodern.com

Captivating circles

Create a custom lighting fixture with West Elm's sculptural 7-Light Globe Chandelier, available in your choice of shapes, sizes and finishes, \$29.25 to \$192, westelm.com

Bright light

West Elm's Torre Table Lamp is a cheery way to brighten bedside tables with direct or softened light, \$59.99, westelm.com

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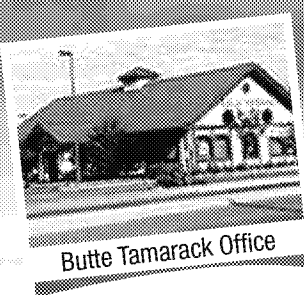
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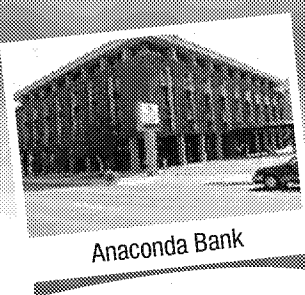
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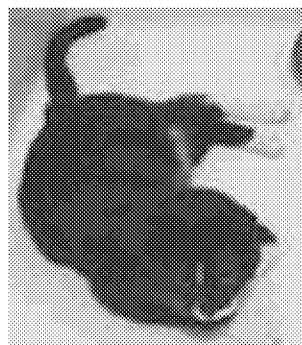
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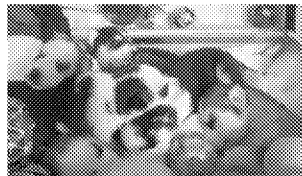
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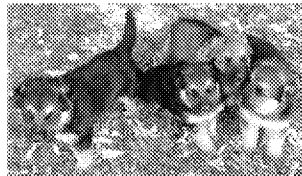
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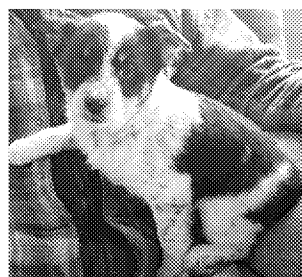
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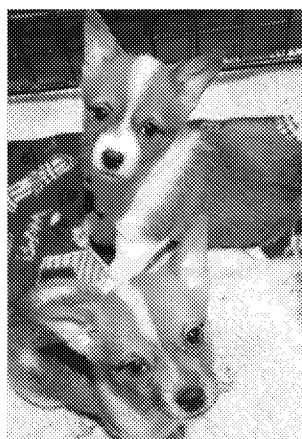
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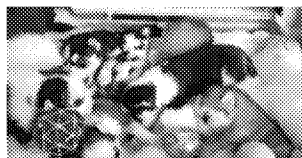
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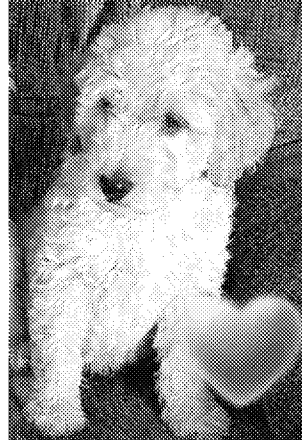
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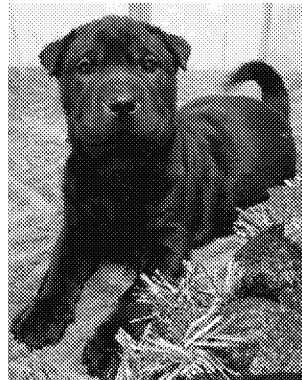
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MISSING URN - REWARD IF RETURNED - SILVER URN WITH PINK ENGRAVING - If found please return to Duggan Dolan funeral home (1805 Meadowlark Lane, Butte MT) or (406) 565-6840.

NOTICES & ANNOUNCEMENTS



MATOSICH CHRISTMAS TREES Christmas trees, handcrafted wreaths, garlands & flocking. Now located at 319 N. 7th in Bozeman, at Jackpot Casino in Belgrade and at the Kountry Korner Cafe in Four Corners. Also at Stokes in Butte at 1301 Harrison Ave & at Stokes in Anaconda at 1525 W. Park. Place your order today call 406-560-2379 or place online at montanawreaths.com.

THE MONTANA Standard cannot screen every ad that is submitted. If you are interested in purchasing and/or donating to an advertised business, you should always check to make sure it is a legitimate business before making any purchases and/or donations. The Montana Standard cannot be held responsible for any fraudulent transactions.

AUCTIONS

PUBLIC AUCTION THERE WILL be a public auction held on 12/28/19 at 10:00 AM at Broadway Mini Storage, 383 E. Broadway, Butte, MT to sell the contents of the storage units listed.
Unit C-18 Cecilia R. Homier
Unit C-4 Ben Sellers
Unit B-5 Debra Ward

Broadway Mini Storage
333 E. Broadway,
Butte, MT
406-723-5417

PUBLIC AUCTION THERE WILL be a public auction held on 12/28/19 at 11:00 AM at Tecumseh Lode Storage, 901 S. Washington, Butte, MT to sell the contents of the storage units listed.
U-29 - Robert Montoya
U-24 - Craig Holmes
Tecumseh Lode Storage
901 S. Washington, Butte

GENERAL HELP

Butte Town Rt 208
Delivery area of Dewey Blvd, Hill Ave, Busch St and surrounding areas.
Average gross profit of \$575.00 every 4 weeks.

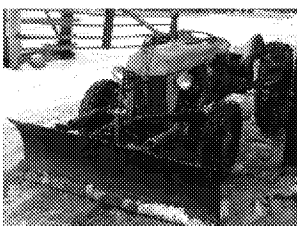
For more information contact Diann 406-496-5575

The MONTANA STANDARD

PROFESSIONAL

CJA Supervising Attorney The Federal Defenders of Montana is soliciting applications for a CJA Supervising Attorney. Applicants must be admitted to and in good standing with the bar of the highest court of a state, federal territory, or the District of Columbia; be a member in good standing in all courts where admitted to practice; and be a U.S. citizen or person authorized to work in the United States. This position includes benefits and is subject to the availability of funds. EOE. Complete job description and application instructions at <http://tdom.org/employment>

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GARAGE SALES

NOTICE TO ALL CLASSIFIED ADVERTISERS Please be sure to check your ad the first day of publication. We must be advised by 3pm the first day your ad runs (or the first business day thereafter) of any corrections to your ad so that we may correct it immediately before the next publication. This does not include light or washed out type unless said type is totally unreadable. These will be looked at on a case by case evaluation only. We are responsible only for the first day of incorrect publication. Thank You 406-496-5553

APPLIANCES

L/G WASHER & Dryer: Good Shape. \$395.00 Call: 406-498-7931

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STRESSLESS BROWN Leather Sofa \$900; Dining Room Table 6 chairs, 3 leaves \$100; Roll Top Desk \$50; Small Hammond Organ \$50; Howard Miller Grandfather Clock \$800; Carved Oriental Bar \$950; Complete Queen Bed, Dresser/Mirror & Nite Stand \$200; Dresser/Mirror/2 Nite Stands \$150. Phone 560-6737 Butte

GUNS

2-3/4 12GA. Pump Shotgun. 38" full choke. \$300
Ruger 41 Mag with pachmayr grips and shoulder holster. like new \$650
Nikon Spotting Scope 60 power with tripod. \$275 403-6209

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SPRINGFIELD 9-11 micro 380 great shooter, 2 mags, black nitride finish, .G10 grip \$425 cash only, text only 406-404-4546

UBERTI 1874 sharps rifle, 45-70 26in barrel, double trigger, manual dies, reloads, bullets, cash only \$1980 406-459-3876

MISC FOR SALE

1 hp submersible pump, 30 gal pressure tank and pressure switch. Used approximately 10 years. Text: 406-560-4285. \$150

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MENS LEATHER Jacket Size 48, Dark Brown, Zip Lining, New Call: 406-491-6352 \$50

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FIREWOOD



Firewood for Sale. Local High School kid trying to earn money for college!! \$ 225.00 / a cord cut and split with free delivery within the Bozeman area. Delivery charges may apply outside of the Gallatin Valley. Call or Text 406-579-0801

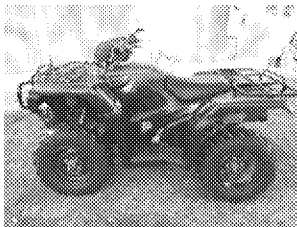
WANTED TO BUY

WANTED TO Buy! Small Skid Steer Loader, in good condition 406-563-6781 Anaconda

ATV's



2012 POLARIS Razor 800 Trail, runs very well. Must sell to buy a tractor to move snow. \$6000 firm 406-495-9479



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BRAND NEW Snow Mobil Suit- Insulated Large, \$50 Call: 406-491-4253

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SIZE 2 Toddler Little Barney Boots, Purple. \$2.00 Call: 406-782-0297

\$100 & UNDER

GOLDS GYM -New 8Lb. Weighted Vest/Exercise/ Build/ Tone, \$25 Call: 406-299-2336

INSULATED COLD Weather Ski Pants 36-39. New, \$20 Call: 406-491-4253

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GRAND PIANO Keyboard: 76 Keys, all accessories, \$100 Call: 406-723-6244

WOOD DESK 28"H x 41" W x 17 1/2" D \$30 Call: 406-299-2336

WOODEN ROCKING Chair for Inside, Good Condition. \$50 Call: 406-723-3405

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2002 SKI-DOO Summit high mark 800cc 151" track, ice scratchers after market skis, very low mile. **Excellent Shape** \$1600obo 406-600-7770 Bozeman

TRAVEL TRAILERS

2016 **ASPEN** Trail 23' Model 2050QB, 2 kw gen., 1 kw inverter, new mattress, \$15,000. extras, by appt. Only 406-491-1343

TRUCKS

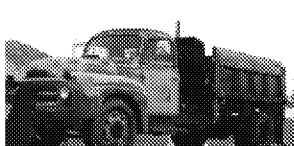
1986 **SIERRA** Classic, 3/4 ton 4wheel drive, runs well, call for more details. \$8000 406-599-2675 or 406-580-0123

TRUCKS



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HEAVY EQUIPMENT



1968 **DODGE** extra heavy duty Fasken \$3000 obo 406-782-3648

2018 E-26 **BOB** Cat excavator, 36.4 hours, **BRAND NEW** call for more information 406-287-5692

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Notices

Legal Notices

Service Date: December 20, 2019
DEPARTMENT OF PUBLIC SERVICE REGULATION
BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MONTANA
IN THE MATTER OF NorthWestern)REGULATORY DIVISION
Energy's 2019 Electricity Supply)
Resource Procurement Plan)DOCKET NO. 2019.08.052

NOTICE OF STAFF ACTION

On October 25, 2019, the Montana Public Service Commission ("Commission") entered its Notice of Electricity Supply Procurement Plan, Opportunity to Comment and Public Meetings ("Notice") in the above referenced docket. ("Procedural Order") in the above captioned matter which, among other things, established a procedural schedule for this case. Among other things, the Notice set a deadline for written public comments in the matter for November 20, 2019. Thereafter, pursuant to a Notice of Commission Action entered on November 14, 2019, the Commission extended the deadline for submission of public comment in the docket until **January 3, 2020**.

At present there are public listening sessions scheduled to occur in this docket, the last of which will be conducted on January 3, 2020. In light of the dates of the proximity in time of that listening session to the present deadline for public comment, the Commission deems it appropriate to extend the deadline for public comment a second time. Accordingly, in order to offer sufficient time beyond the final public listening session for the public to offer comment, the Commission hereby extends the deadline for public comment until **January 6, 2020**.

DONE AND DATED this 20th day of December, 2019, by delegation to Commission staff as an order of the Commission. BY THE MONTANA PUBLIC SERVICE COMMISSION
BRAD JOHNSON, Chairman
BOB LAKE, Vice Chairman
ROGER KOOPMAN, Commissioner
TONY O'DONNELL, Commissioner
RANDALL PINOCCI, Commissioner
Published: December 22nd, 2019 **MNAXLP**

PUBLIC NOTICE NO. MT-19-28
December 16, 2019

PURPOSE OF PUBLIC NOTICE

The purpose of this notice is to state the Department's intention to deny renewal and terminate a wastewater discharge permit to the facility listed in this notice. This permit was issued by the Department under the authority of 75-5-402, Montana Code Annotated (MCA); the Administrative Rules of Montana (ARM) 17.30.1301 et seq., Montana Pollutant Discharge Elimination System (MPDES); and Sections 402 and 303 of the Federal Clean Water Act. Copies of the termination fact sheet and environmental assessment are available upon request from the Water Protection Bureau or on the Department's website www.deq.mt.gov.

APPLICANT INFORMATION

APPLICANT: Stone Container Corp.
FACILITY NAME: Frenchtown Mill
FACILITY LOCATION: 14377 Mullan Rd
COUNTY: Missoula
RECEIVING WATER: Clark Fork River
PERMIT NUMBER: MT0000035
On August 2, 2017, the First Judicial District Court located in Helena, MT voided the renewal and transfer of MPDES permit MT0000035 from Smurfit-Stone Container Corporation to M2Green Development LLC. Because of cessation of discharge controlled by the permit, DEQ intends to deny the permit renewal application submitted by Smurfit-Stone Container Corporation in 2004 and terminate the permit.

PUBLIC COMMENT

Public comments are invited **ANYTIME PRIOR TO CLOSE OF BUSINESS January 17, 2020**.

Comments may be directed to the DEQ Water Quality Division, Water Protection Bureau, PO Box 200901, Helena, MT 59620. All comments received or postmarked **PRIOR TO CLOSE OF BUSINESS January 17, 2020** will be considered in the formulation of final determinations to be imposed on the permits. If you wish to comment electronically, you may e-mail the Department at DEQWPBPublicComments@mt.gov.

During the public comment period provided by the notice, the Department will accept requests for a public hearing. A request for a public hearing must be in writing and must state the nature of the issue proposed to be raised in the hearing. The Department will respond to all substantive comments and issue a final decision within sixty days of this notice or as soon as possible thereafter. Additional information may be obtained upon request by calling (406) 444-5546 or by writing to the aforementioned address. The complete administrative record, including permit application and other pertinent information, is maintained at the Water Protection Bureau office in Helena and is available for review during business hours.

PUBLIC NOTICE NO. MT-19-28

December 16, 2019
Published: December 22, 2019 **MNAXLP**

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Notices

Legal Notices

The Butte School District #1 of Butte Silver Bow, Montana seeks proposals from qualified and experienced design firms or individuals to oversee design and construction of various areas including but not limited to the cafeteria, commons (entrance areas), and the health enhancement areas. Qualified firms or individuals are expected to have demonstrated knowledge of the components, overall layout and design, estimated costs and construction of similar projects.

The chosen Consultant is expected to work with Butte School District #1 when developing the design and throughout the project implementation. The design concept and features, while specific to Butte High School site specific requirements, shall be of a proven nature in terms of construction techniques and materials, appeal to the users and are safe. Depending upon budget and costs this project may be implemented in phases.

The facility is publically owned by Butte School District #1. The qualified design firm or individual must provide certification of professional liability insurance of \$500,000.

A detailed project description is available in the School Administration Building, Clerk's Office, 111 N. Montana, Butte MT 59701 or on the District website at <https://www.bsd1.org/>

Pre-submittal Conference:

A pre-submittal conference for interested parties is scheduled for:

When: Wednesday January 8, 2020

Time: 9:00 AM

Place: Butte High School

401 S Wyoming

Butte, Montana 59701

Proposals will be accepted until:

4:00 p.m. (Mountain Standard Time) Tuesday, January 14, 2020

At the Office of: Butte School District #1

Clerk's Office, First Floor

111 N. Montana

Butte, MT 59701

Please submit five (5) copies of your statement of qualifications

Publish Dates: December 22, 2019 **MNAXLP**

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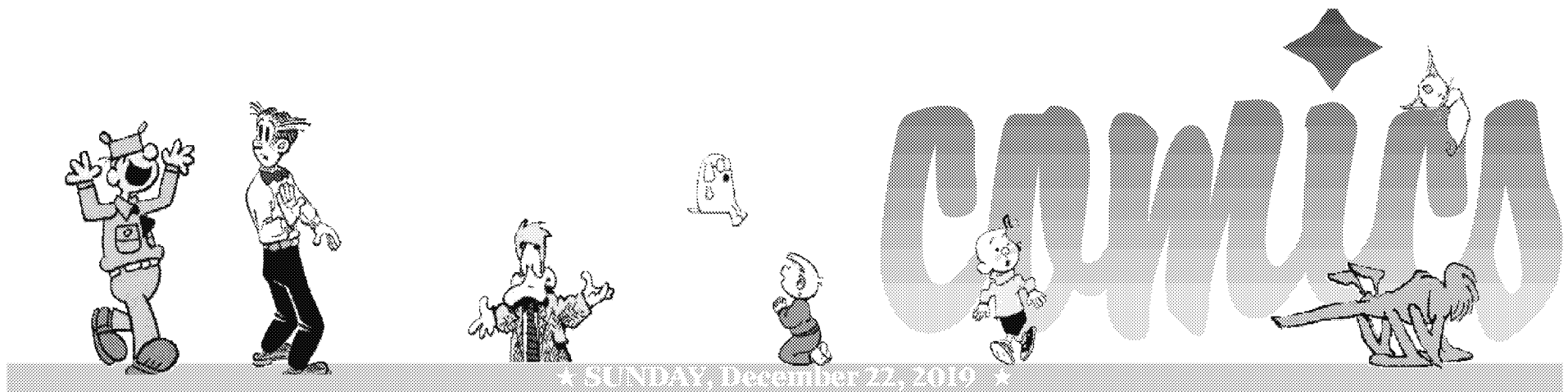
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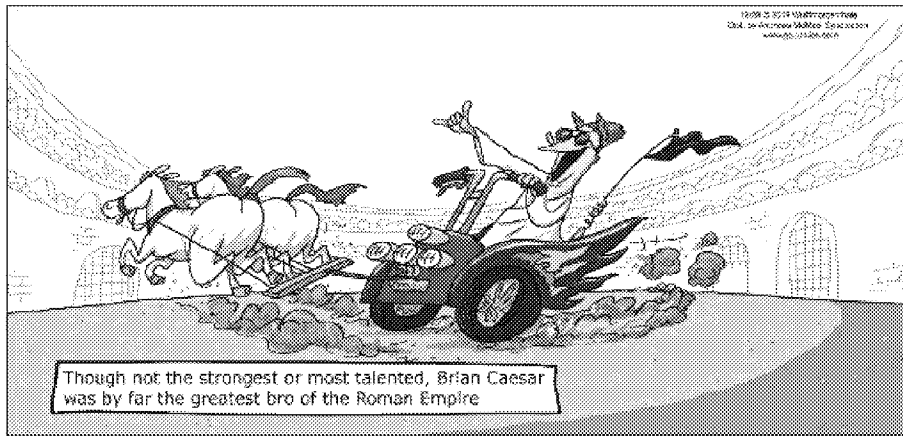
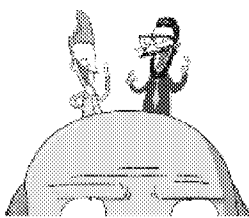
Cost Plus Commission

723-6060 Randy Scharf



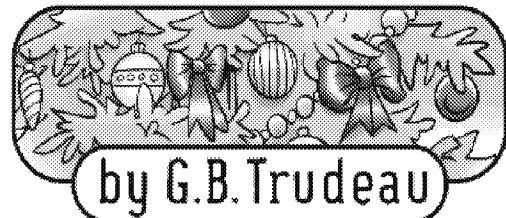
WUMO

by Wuff & Morgenthaler



Though not the strongest or most talented, Brian Caesar was by far the greatest bro of the Roman Empire

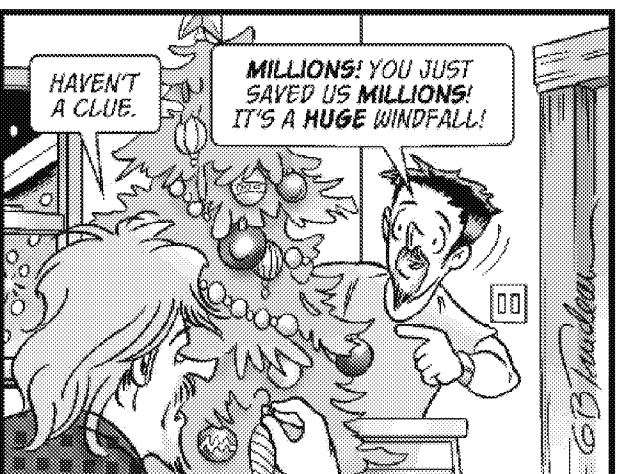
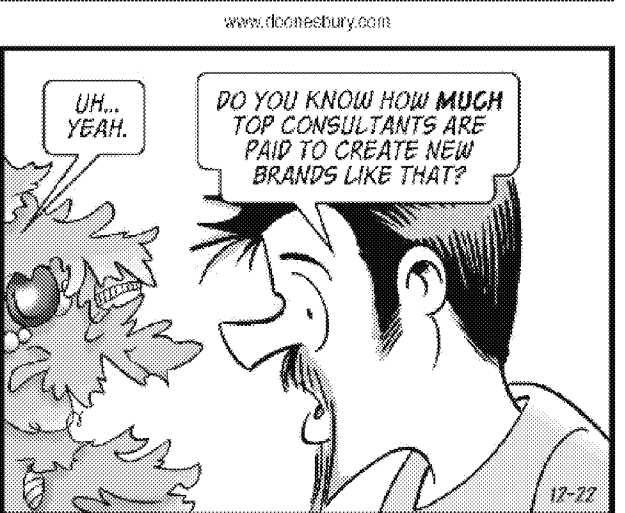
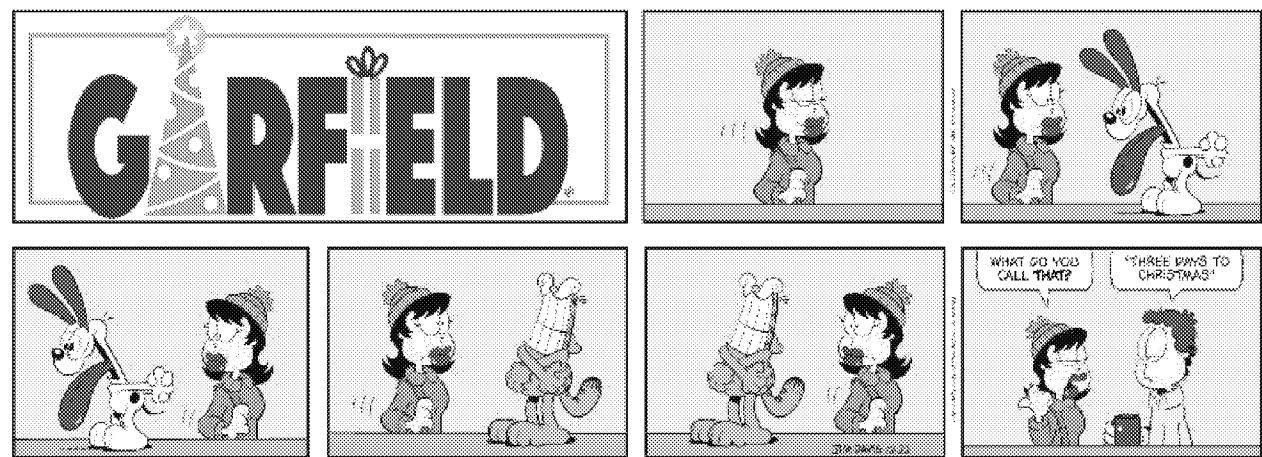
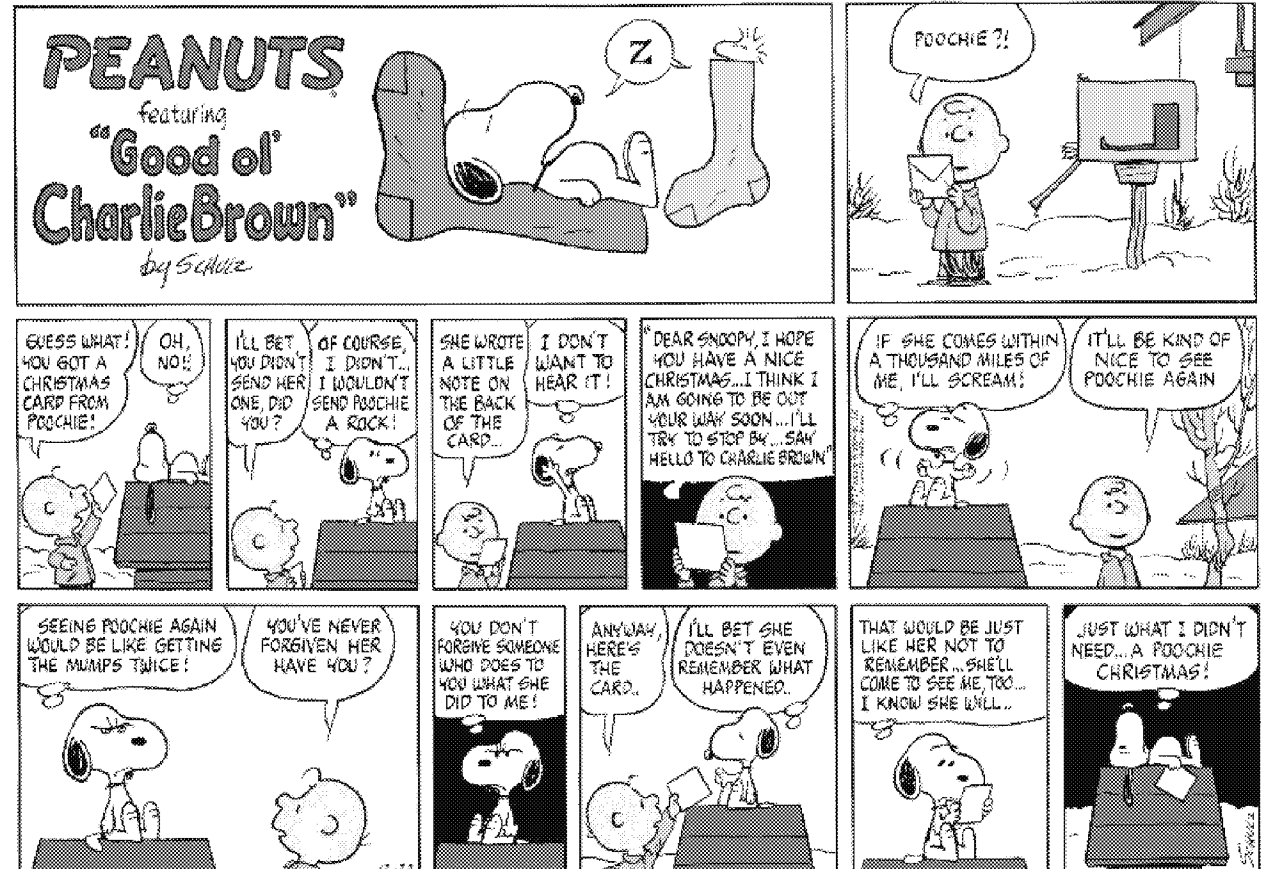
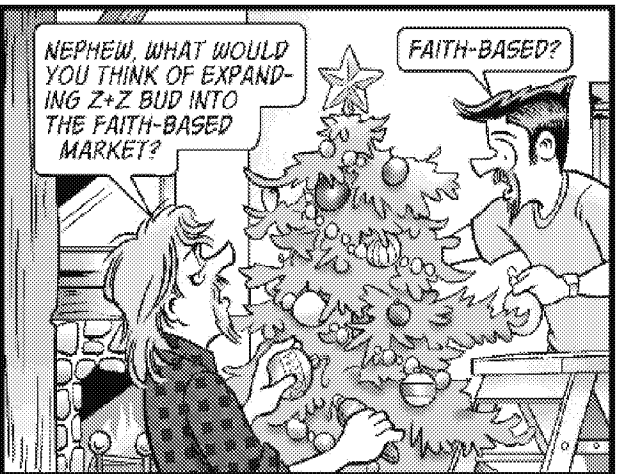
DOONESBURY



by G.B. Trudeau

TAKE IT FROM THE TINKERSONS

BY BILL BETTWY



Chad Carpenter's

TUNDRA

DO YOU HEAR SOMETHING DRIPPING?

I'M A NUDIST.

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12-22

TIRED OF NOT BEING TAKEN SERIOUSLY, JACK FROST GOES FROM SIMPLY NIPPING AT NOSES TO BREAKING THEM.

SNACK!

Chad Carpenter

Pooch Café

By Paul Gilligan

QUICK! WHAT DAY IS IT??

IT'S A FEW DAYS BEFORE CHRISTMAS.

THANK BISCUITS! THAT MEANS THERE'S STILL TIME!

TIME FOR WHAT?

LAST NIGHT I WAS VISITED BY A TERRIFYING CHRISTMAS SPIRIT! HE SHOWED ME THE ERROR OF MY PATH AND INSPIRED ME TO CHANGE MY WAYS!

HE WAS COVERED IN CHAINS... I CAN STILL HEAR THEIR HORRIBLE CLANKING! (SHUDDER!)

I MUST BE OFF!

I HAVEN'T GOT THE HEART TO TELL HIM I FORGOT TO UNTIE HIS WALKING CHAIN LAST NIGHT.

RATTLE - CLINK!

12-22

Pearls Before Swine

by Stephan Pastis

AND WHAT WOULD YOU LIKE IN YOUR STOCKING THIS YEAR?

PHONE!

LEGOs!

X BOX!

NO MORE SHOOTINGS.

ROSE IS ROSE

WHAT IS HE DOING??

COME BACK!

WAKE UP, PASQUALE...

IT'S YOUR TURN TO ICE THE GINGERBREAD COOKIES

I'M TRYING TO RETRIEVE MY DREAMSHIP

12-22

Funky Winkerbean

by Tom Batiuk

HUH, IT LOOKS LIKE THE CHRISTMAS LIGHTS ARE OFF!

NUTS! TRYING TO FIND WHICH BULB IS OUT TAKES FOREVER!

SIGH I'LL JUST CHECK EACH LIGHT WITH A GOOD BULB UNTIL I FIND THE ONE THAT'S OUT.

MUCH LATER...

WHAT ARE YOU DOING?

I JUST SPENT THE LAST THREE HOURS TRYING TO FIND THE LIGHT THAT'S OUT ON THE CHRISTMAS TREE... AND I STILL HAVEN'T FOUND IT!

I'M SORRY...

I FORGOT TO TELL YOU THAT I PUT THE CHRISTMAS TREE LIGHTS ON A TIMER!

12-22

off the mark
by Mark Parisi





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ZITS





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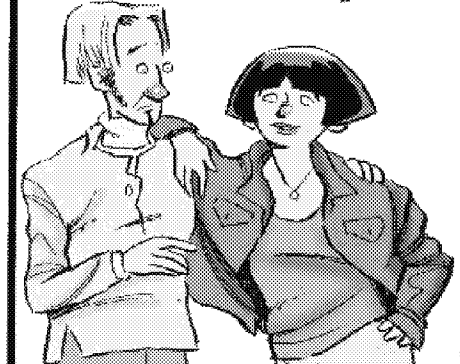
by BRIAN CRANE






Pardon my Planet


by via lee

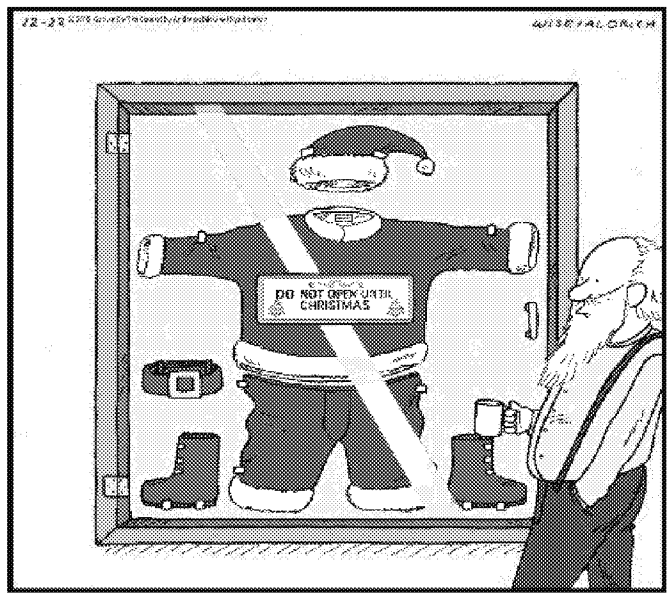





REAL LIFE ADVENTURES


BY GARY WISE & LANCE ALDRICH




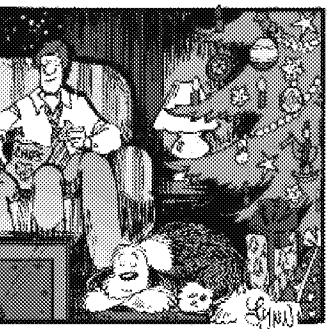
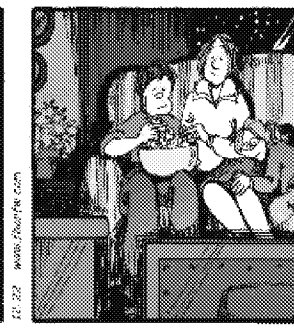






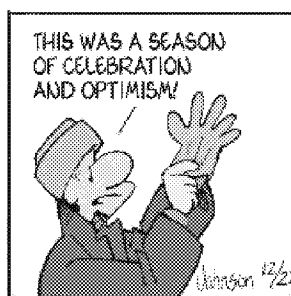
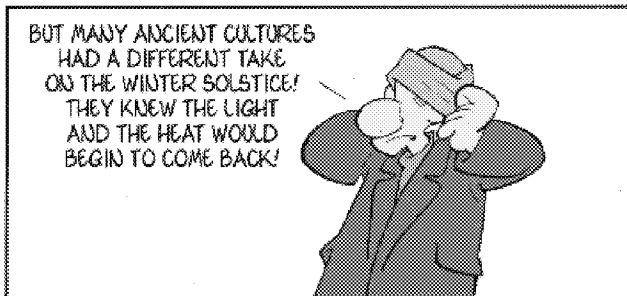
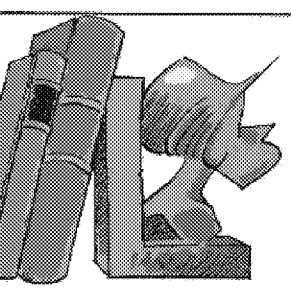
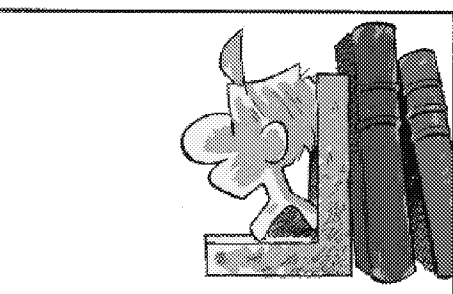
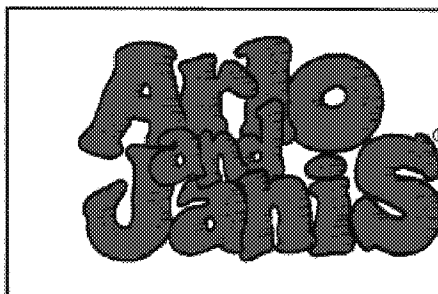
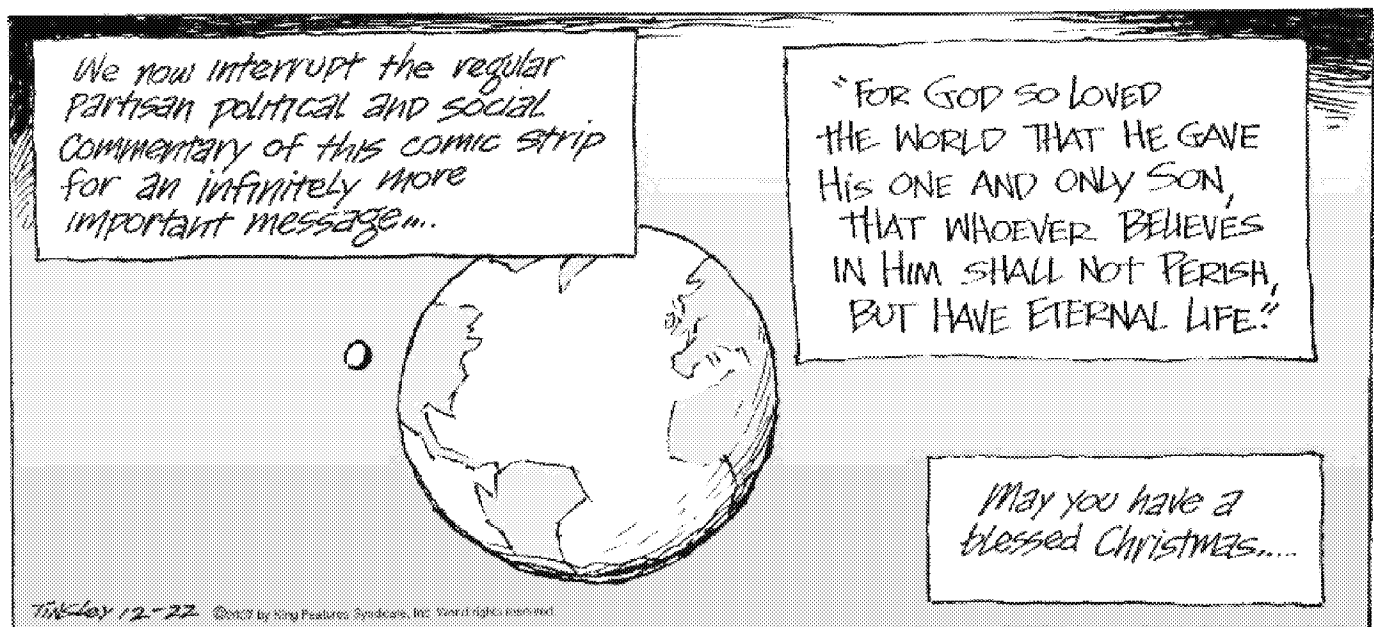
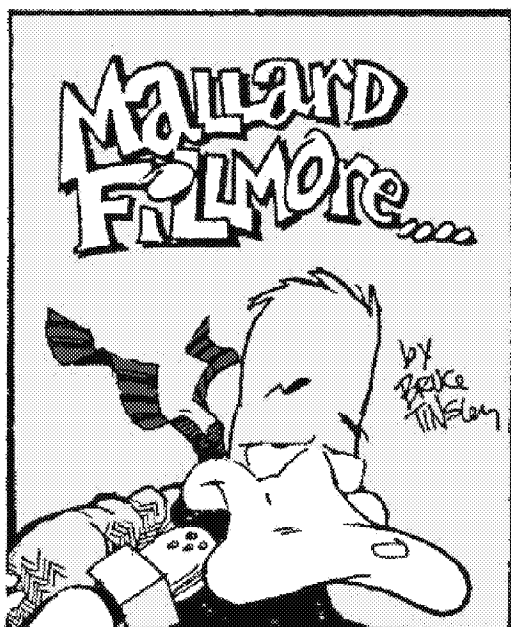
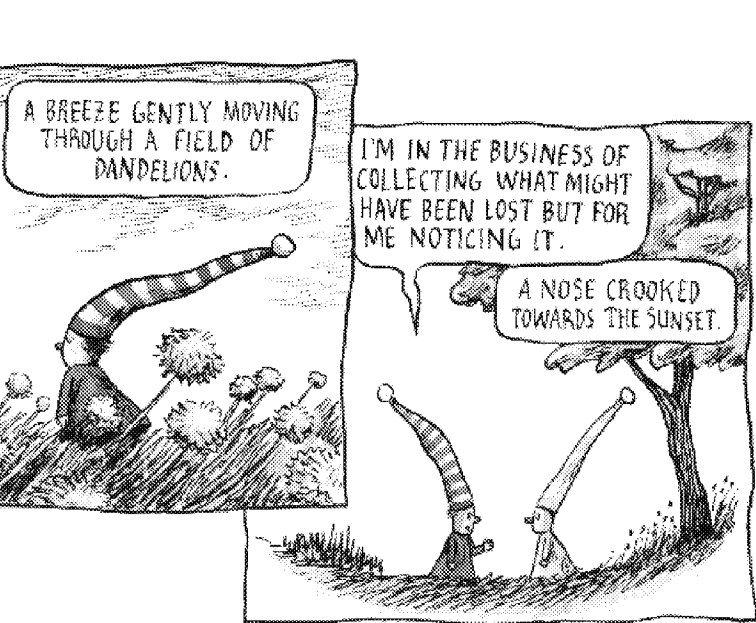
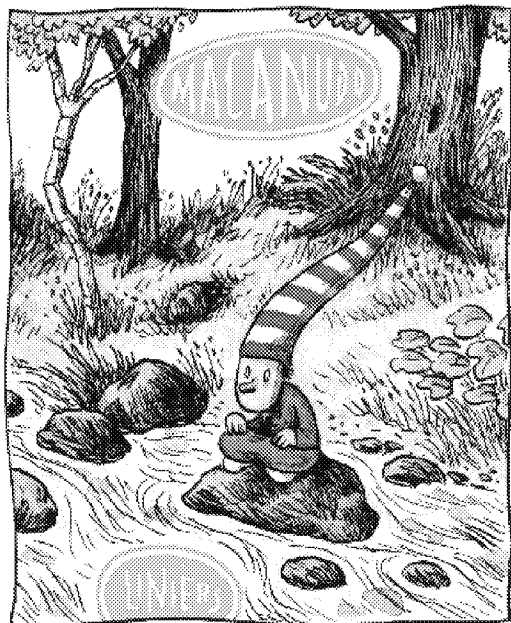
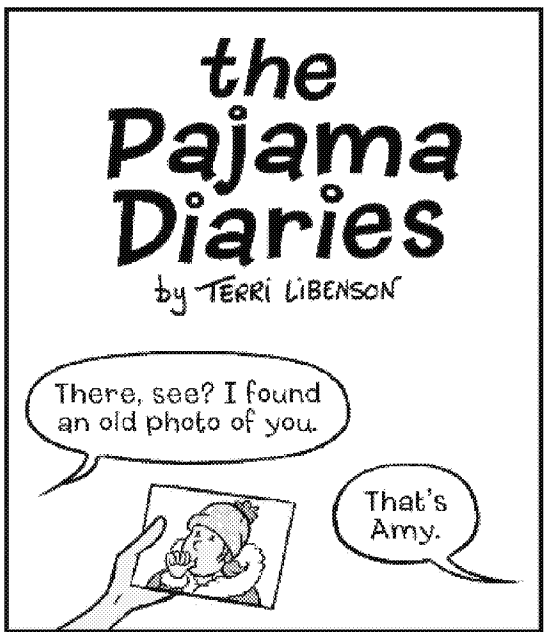
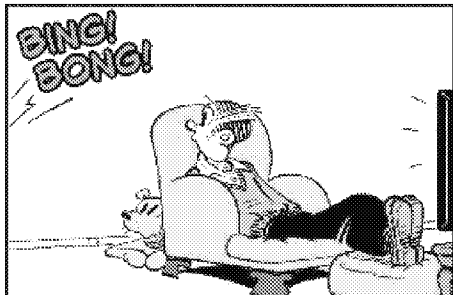
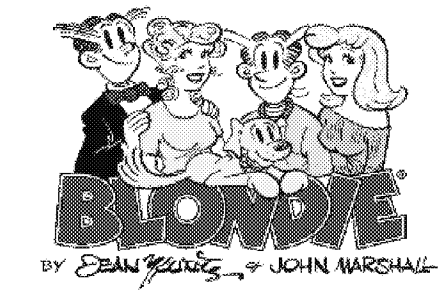
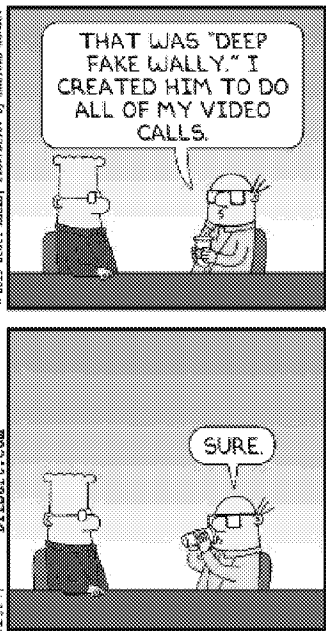
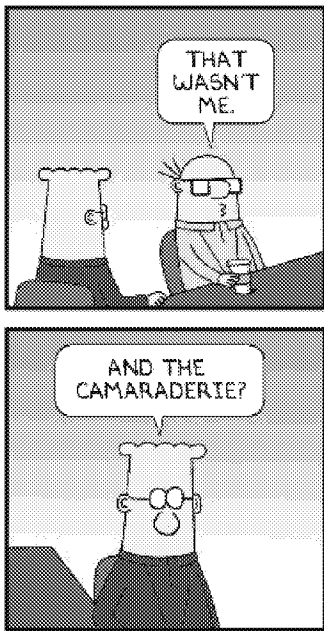
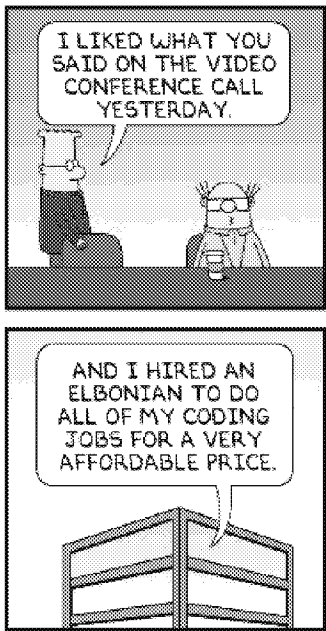
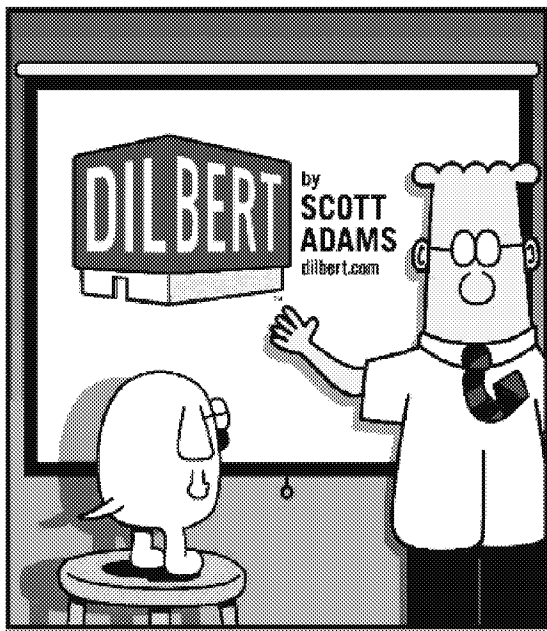
FOR BETTER OR FOR WORSE

by JOHN SCHMIDT









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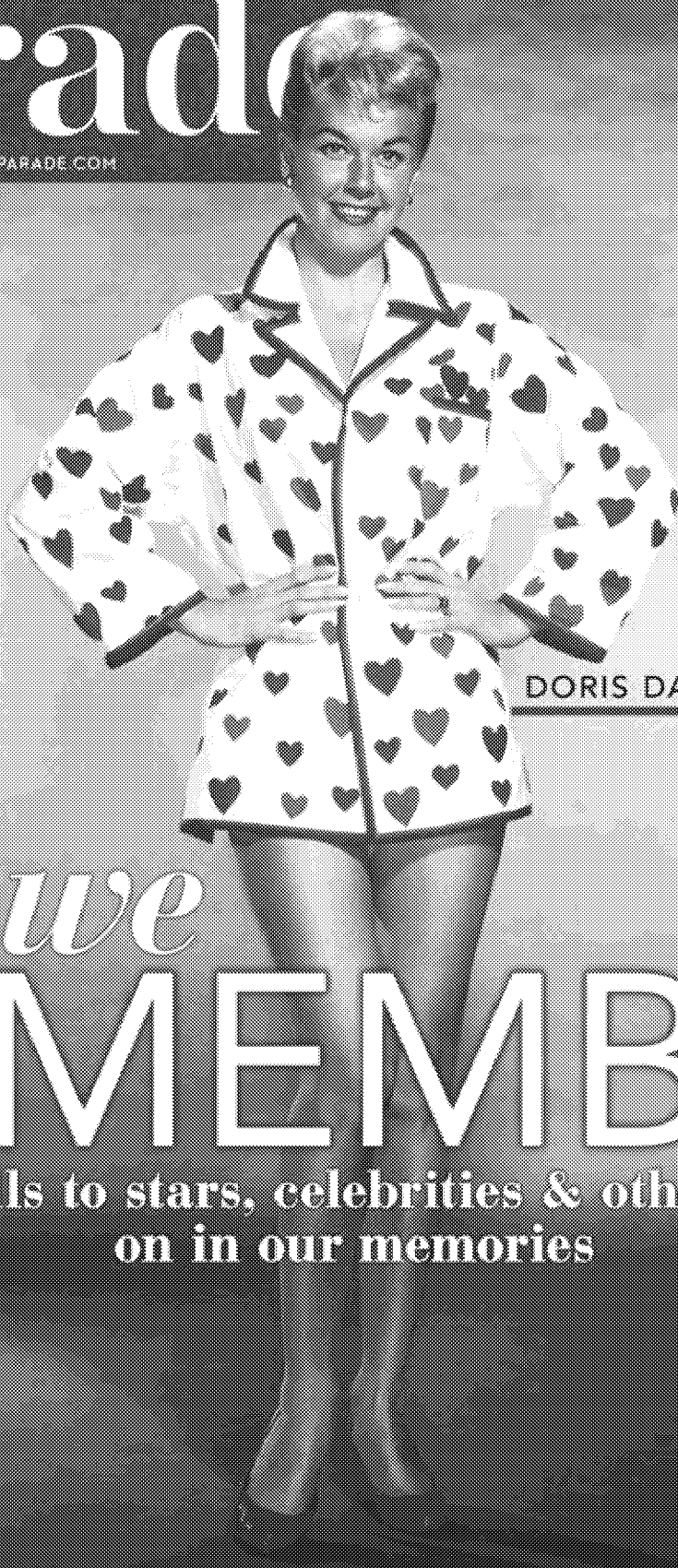
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BART STARR



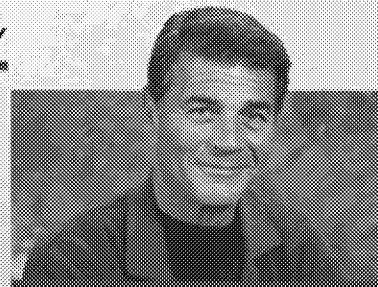
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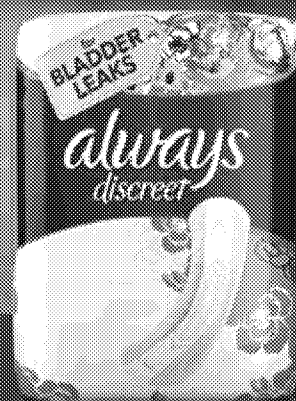
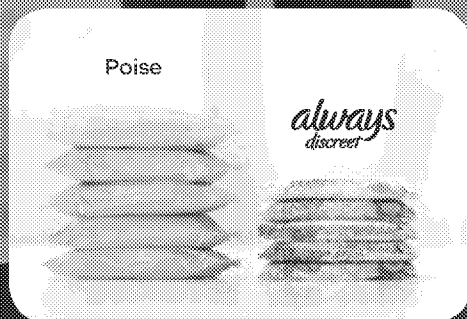
Learn more about



Visit page 6

PLUS
Little Women
Then & Now
P. 3

**"With a less bulky
bladder leak pad,*
I have nothing to hide."**



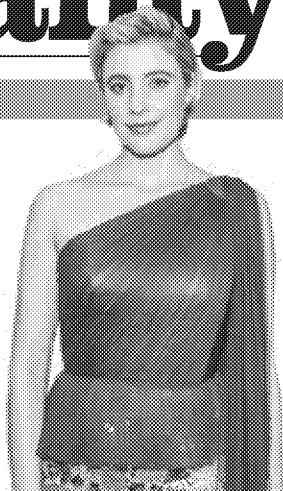
Always Discreet. Incredibly strong protection. Less bulky too.*

Personality

WALTER SCOTT ASKS...

GRETA GERWIG

The double Oscar nominee for *Lady Bird*, 36, is getting Oscar buzz again for *Little Women* (in theaters Dec. 25). Gerwig directed the new movie, based on the classic novel by Louisa May Alcott about the March sisters—Jo (**Saoirse Ronan**), Meg (**Emma Watson**), Amy (**Florence Pugh**) and Beth (**Eliza Scanlen**)—in 1860s New England.



What about this 150-year-old story speaks to us today? I thought there was an opportunity to bring out what's still fresh and wonderful about the book—all of these big, inappropriate and ambitious ideas that these girls had—and then also give Louisa May Alcott an ending she might have liked. She never wanted Jo to get married.



Your approach is to look back at their childhood through the lens of adulthood. I wanted to start the movie in the thick of it when they're adults, all separated from each other. [Their] childhood is this snow globe that they want to get back into, but it's also something they want to figure out in order to move forward in their adult lives.

What great advice did she get from Meryl Streep? Go to Parade.com/gerwig to find out.

You had Alcott's astrological chart done. What do you have in common with her? We have a few things in common: being strong-willed, artistically inclined. But her chart was a lot lonelier than mine. She was more of a lone wolf. I think in some ways I wanted to try to keep her company. But she was, as all great artists are, ahead of her time.

You and partner Noah Baumbach are co-writing a Barbie film. How does that sit with your feminist sensibilities? Get ready—it does. Margot Robbie [who plays Barbie] is such an amazing actor and producer, and she has a very specific idea of how to come at this. Barbie's on board to do something radical.

ADAM SANDLER

Like You've Never Seen Him

Sandler is getting rave reviews for his starring role in the crime thriller *Uncut Gems* (in theaters now). It's the story of New York City jeweler Howard Ratner (Sandler) trying to score big as a con man who runs into all sorts of unsavory characters. "I only got one face, I only got one voice, but I tried to think differently [for Howard]," says Sandler, best known for his goofball performances in comedies like *The Waterboy*, *Little Nicky*, *Happy Gilmore* and *Billy Madison*.



LITTLE WOMEN ON THE SCREEN

Hollywood has been "big" on Louisa May Alcott's classic novel for more than a century.

1933 Katharine Hepburn starred as daughter Jo in this early version—but it wasn't the first. There were silent movies as early as 1917.



1949 The star-studded cast included **Elizabeth Taylor** (Amy), **Janet Leigh** (Meg), **Margaret O'Brien** (Beth) and **June Allyson** (Jo), with former silent film star **Mary Astor** as Mrs. "Marmee" March.



1978 Some recognizable TV names—**Meredith Baxter**, **Susan Dey**, **Eve Plumb** and Robert Young—helped make this NBC miniseries a hit with fans.



1994 **Claire Danes** made her feature film debut in this adaptation, which also starred **Winona Ryder**, **Kirsten Dunst**, **Christian Bale** and **Eric Stoltz**.

2018 **Lea Thompson** starred—as Marmee—in this modern retelling, released in theaters to coincide with the 150th anniversary of the first publishing of Alcott's novel in 1868.



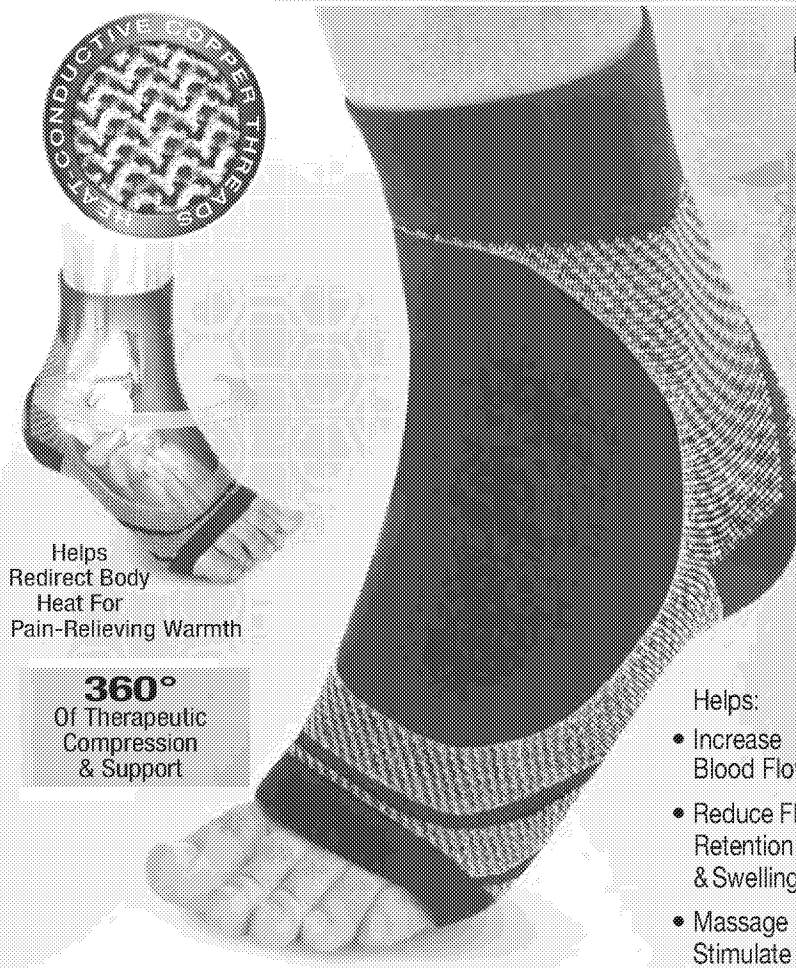
Supernanny to the Rescue

Supernanny **Jo Frost** makes her return to television for 20 all-new episodes (Jan. 1 on Lifetime) in which the child-rearing expert helps stressed-out parents tackle issues, including postpartum depression, ADHD, kids obsessed with electronic devices, blended families struggling with children acting out and military and first-responder spouses facing separation. "These families are very vulnerable," Frost, 48, says. "I go into a family's home to support them, be a voice for children who need to be heard and find solutions to problems."



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Game Night

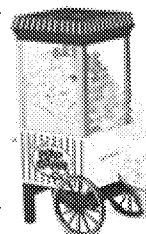
Gather around for some friendly competition! —*Brinley Hineman*



Golden Times

Blanche did what?! Try some leading-lady wordplay with *The Golden Girls Mad Libs*. \$5, barnesandnoble.com

Pop Culture This Old-Fashioned Hot Air Popcorn Maker will win over a kernel-loving crowd. \$35, homedepot.com

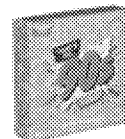


Say Cheese! Laugh



along with *Awkward Family Photo Greatest Hits*, a hilarious game where players use legendary movie lines to caption embarrassing family snapshots. \$25, target.com

As If! Pull out your mom jeans and high-tops and compete with the *That's So '90s* trivia game. \$21, wildandwolfs.com



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Happy Holidays

We're off next week but back JAN. 5!

Here's a sneak peek:



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THESE 6 THINGS ARE BAD FOR YOUR EYES

You're protecting your eyes from the sun, but do you know about these other dangers?

By Sheryl Kraft

"Although some causes of vision loss can't be prevented, many can be avoided by taking simple precautions," says Jeffrey Goshe, M.D., an ophthalmologist at Cleveland Clinic Cole Eye Institute. Here's how to protect yourself from activities that can endanger your eyes.

EATING TOO MUCH JUNK FOOD Here's another reason to live by the advice "everything in moderation": Too much junk food may affect your sight. A 2019 issue of the *Annals of Internal Medicine* reported that it happened to a teenage boy. The teen's steady diet of potato chips, french fries and deli meat deprived his body of some of the essential vitamins and nutrients for eye health (called "nutritional optic neuropathy," a form of malnutrition), including vitamin B12, vitamin A, iron, calcium, magnesium and copper. At 17, he was declared legally blind.

While this boy's vision issue is extreme, good nutrition matters for all of us: Eating foods high on the glycemic index (like refined starches and sugars) could contribute to the development of age-related macular degeneration (AMD), the leading cause of blindness in adults over 60, according to a study published in the *American Journal of Clinical Nutrition*.

2 NOT CLEANING YOUR CONTACT LENSES Dirty contacts can cause severe eye infections, like Acanthamoeba or fungal keratitis, or other chronic damage. That's why you should always rub your lenses, even if you use a "no-rub" solution to clean and disinfect, says Goshe. This helps clear them of proteins from your tears, dust, pollen and other particles.

3 USING OLD MASCARA It may look and smell OK, but using too-old mascara puts you at risk for a serious eye infection. Although usually safe when you first purchase it, the tube—which is dark and moist inside—offers bacteria a friendly breeding ground and may put you at risk for an infection (at best) or temporary or permanent blindness (at worst). To keep your eyes safe, experts say to toss your mascara after three months. And never share with family or friends or use a communal tester at a beauty counter.

4 NOT WEARING SAFETY GLASSES Fact: Almost half of all eye injuries happen at home. That's why it's important for anyone using tools, machinery, landscaping equipment or anything capable of creating high-velocity projectiles (and that includes opening a champagne bottle and cooking with oil or grease!) to wear protective eyewear to prevent injuries, says Goshe. Surveys show that only 35 percent of people wear protective eyewear while doing home repairs or projects, yet taking this simple step goes a long way—wearing it can prevent 90 percent of eye injuries. Tip: Bystanders are at risk too, especially small children or grandchildren who stand by watching others mow or cook.

5 IGNORING FLASHES OR FLOATERS Almost everyone has the occasional floater, which is not the sign of a problem, says Craig See, M.D., an ophthalmologist at Cleveland Clinic. Those specks, transparent threads or cobweb-like images that drift across the line of vision are usually caused by age-related changes or conditions such as diabetes, inflammation in the back of your eye or bleeding in your eye. Though painless, they're not always harmless: A sudden increase in floaters and/or blurry vision, or "flashes" usually seen in your peripheral vision (and most noticeable in the dark), could indicate a retinal tear or detachment, which can threaten your sight and cause permanent vision loss. Retinal tears or detachments are treated with surgery or lasers, but your vision will stand a better chance of recovery if you act fast.

6 HANGING AROUND SMOKERS You know that smoking or being exposed to secondhand smoke can cause heart disease and lung cancer, but did you know it could harm your sight too? Smokers have three to four times the risk of developing age-related macular degeneration than nonsmokers. Smoking also increases the risk of cataracts. If you smoke 15 or more cigarettes a day, your chance of developing cataracts, which can cloud and impair your vision, is three times greater than that of a nonsmoker.

ARE YOU OR A LOVED ONE LIVING WITH
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Ask your doctor about treatment options.

Help fight back against Wet Age-related Macular Degeneration. EYLEA is on your side.

EYLEA improved vision in people with Wet AMD

**94% of Wet AMD patients treated with EYLEA
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In addition, EYLEA helped people with Wet AMD
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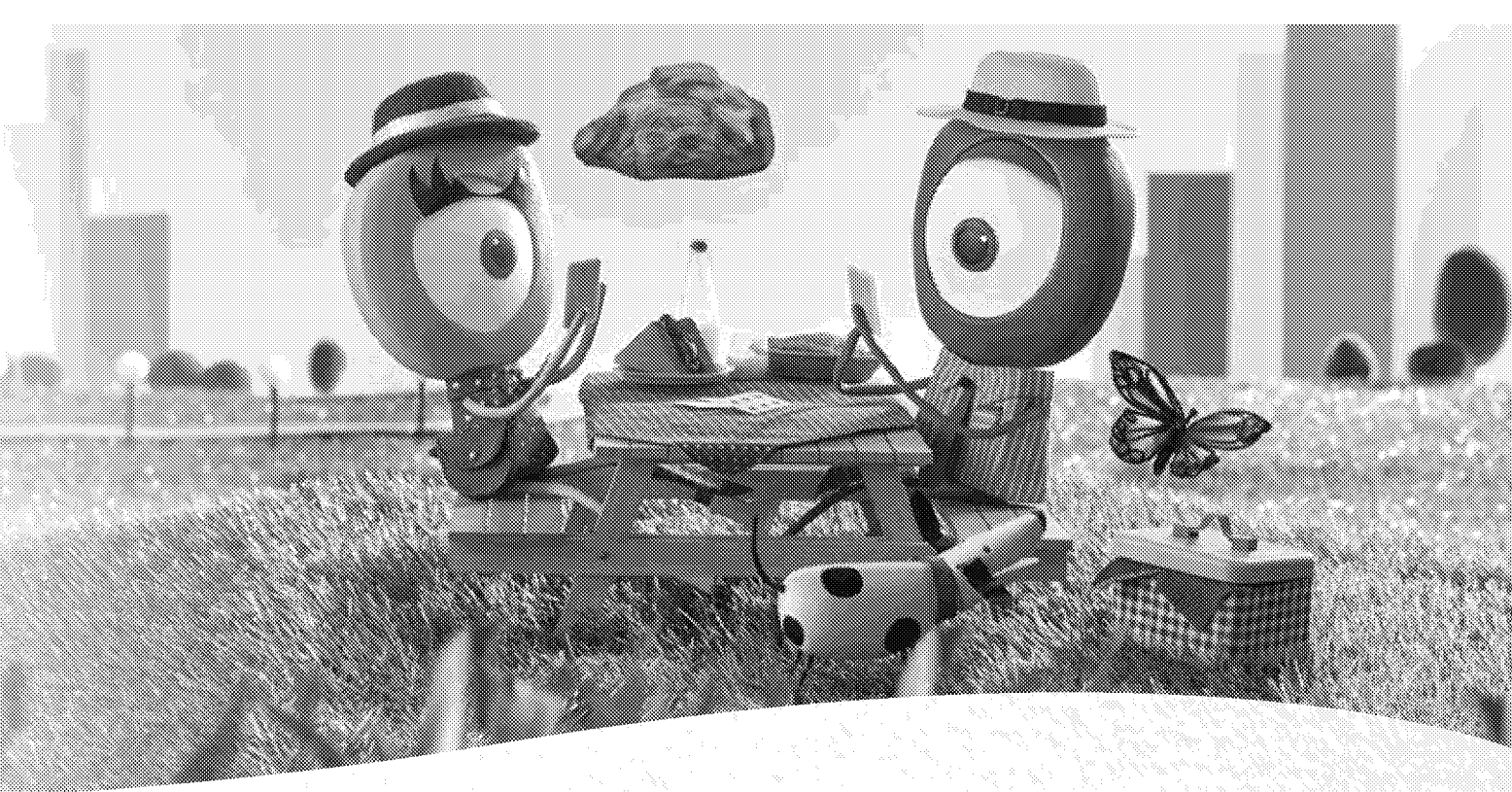
*On average, in 2 clinical studies.

Learn more at [EYLEA.com/print](https://www.eylea.com/print) and talk
with your eye specialist.

SELECT IMPORTANT SAFETY INFORMATION

EYLEA is a prescription medicine administered by injection into the eye. You should not use EYLEA if you have an infection in or around the eye, eye pain or redness, or known allergies to any of the ingredients in EYLEA, including aflibercept.

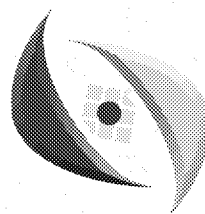
**Please see additional Important Safety Information and Consumer Brief Summary
on the following pages.**



EYLEA is the #1 prescribed treatment in its class
FDA approved for Wet AMD.[†]



[†]IBM Truven MarketScan data: Number of injections administered, from Oct. 2017 through Sept. 2018; Data on File.



EYLEA[®]
(aflibercept) Injection
For Intravitreal Injection

EYLEA is a registered trademark of Regeneron Pharmaceuticals, Inc.

10/2019
EYL.19.10.0021

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INDICATIONS

EYLEA® (aflibercept) Injection 2 mg (0.05 mL) is a prescription medicine approved for the treatment of patients with Wet Age-related Macular Degeneration (AMD), Macular Edema following Retinal Vein Occlusion (RVO), Diabetic Macular Edema (DME), and Diabetic Retinopathy (DR).

IMPORTANT SAFETY INFORMATION

- EYLEA® (aflibercept) Injection is a prescription medicine administered by injection into the eye. You should not use EYLEA if you have an infection in or around the eye, eye pain or redness, or known allergies to any of the ingredients in EYLEA, including aflibercept.
- Injection into the eye with EYLEA can result in an infection in the eye and retinal detachment (separation of retina from back of the eye). Inflammation in the eye has been reported with the use of EYLEA.
- In some patients, injections with EYLEA may cause a temporary increase in eye pressure within 1 hour of the injection. Sustained increases in eye pressure have been reported with repeated injections, and your doctor may monitor this after each injection.
- There is a potential risk of serious and sometimes fatal side effects related to blood clots, leading to heart attack or stroke in patients receiving EYLEA.

- Serious side effects related to the injection procedure with EYLEA are rare but can occur including infection inside the eye and retinal detachment.
- The most common side effects reported in patients receiving EYLEA are increased redness in the eye, eye pain, cataract, vitreous (gel-like substance) detachment, vitreous floaters, moving spots in the field of vision, and increased pressure in the eye.
- It is important that you contact your doctor right away if you think you might be experiencing any side effects, including eye pain or redness, light sensitivity, or blurring of vision, after an injection.
- EYLEA is for prescription use only. For additional safety information, please talk to your doctor and see the full Prescribing Information for EYLEA.

You are encouraged to report negative side effects of prescription drugs to the FDA.
Visit www.fda.gov/medwatch, or call
1-800-FDA-1088.

Please see the Consumer Brief Summary on the adjacent page.



REGENERON

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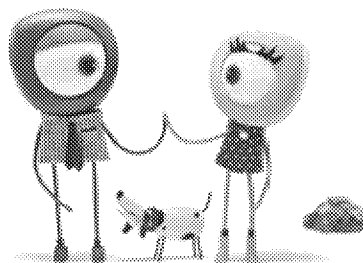
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Issue Date: December 2019

Initial U.S. Approval: 2011

Based on the August 2019 EYLEA® (aflibercept) Injection full Prescribing Information.



Oct 2019
EYL.19.10.0021

Consumer Brief Summary

This summary contains risk and safety information for patients about EYLEA. It does not include all the information about EYLEA and does not take the place of talking to your eye doctor about your medical condition or treatment.

What is EYLEA?

EYLEA is a prescription medicine that works by blocking vascular endothelial growth factor (VEGF). VEGF can cause fluid to leak into the macula (the light-sensitive tissue at the back of the eye responsible for sharp central vision). Blocking VEGF helps reduce fluid from leaking into the macula.

What is EYLEA used for?

EYLEA is indicated for the treatment of patients with:

- Neovascular (Wet) Age-Related Macular Degeneration (AMD)
- Macular Edema Following Retinal Vein Occlusion (RVO)
- Diabetic Macular Edema (DME)
- Diabetic Retinopathy (DR)

How is EYLEA given?

EYLEA is an injection administered by your eye doctor into the eye. Depending on your condition, EYLEA injections are given on different schedules. Consult with your eye doctor to confirm which EYLEA schedule is appropriate for you.

Who should not use EYLEA?

Do not use EYLEA if you have an infection in or around the eye, eye pain or redness, inflammation in the eye, or are allergic to aflibercept and/or any other ingredients in EYLEA.

What is the most important information I should know about EYLEA?

- EYLEA must only be administered by a qualified eye doctor. Injection into the eye with EYLEA can result in an infection in the eye and retinal detachment (separation of retina from back of the eye). Inflammation in the eye has been reported with the use of EYLEA. If your eye becomes red, sensitive to light, painful, or develops a change in vision, seek immediate care from an eye doctor
- In some patients, injections with EYLEA may cause a temporary increase in eye pressure within 1 hour of the injection. Sustained increases in eye pressure have been reported with repeated injections, and your eye doctor may monitor this after each injection
- There is a potential risk of serious and sometimes fatal side effects related to blood clots, leading to heart attack or stroke in patients receiving EYLEA
- Serious side effects related to the injection procedure with EYLEA are rare but can occur including infection inside the eye and retinal detachment
- You may experience temporary visual problems after receiving EYLEA and also during and/or after the eye doctor visits that will follow. Avoid driving or using machinery until your sight has recovered

- Because EYLEA is composed of large molecules, your body may react to it; therefore, there is a potential for an immune response (allergy-like) in patients treated with EYLEA

What are possible side effects of EYLEA?

EYLEA can cause serious side effects, including

- See important safety information listed under “What is the most important information I should know about EYLEA?”

The most common side effects include

- Increased redness in the eye
- Eye pain
- Cataract
- Vitreous (gel-like substance) detachment
- Vitreous floaters
- Moving spots in the field of vision
- Increased pressure in the eye

There are other possible side effects of EYLEA. For more information, ask your eye doctor.

It is important that you contact your doctor right away if you think you might be experiencing any side effects, including eye pain or redness, light sensitivity, or blurring of vision, after an injection.

You are encouraged to report negative side effects of prescription drugs to the FDA.

Visit www.fda.gov/medwatch, or call 1-800-FDA-1088.

What should I tell my eye doctor before receiving EYLEA?

- Tell your eye doctor if you have any medical conditions
- Tell your eye doctor if you are pregnant or are planning to become pregnant. It is not known if EYLEA may harm your unborn baby
- Tell your eye doctor if you are breastfeeding. It is not known if EYLEA may harm your baby. You and your eye doctor should decide whether you should be treated with EYLEA or breastfeed, but you should not do both

How is EYLEA supplied?

EYLEA is supplied in a clear, colorless to pale yellow solution. It is provided in a pre-filled glass syringe or glass vial containing the amount of product required for a single injection into the eye, which is 0.05 mL (or 2 mg of the medicine product).

Where can I learn more about EYLEA?

For more information, talk to your eye doctor and see the full Prescribing Information at EYLEA.com.



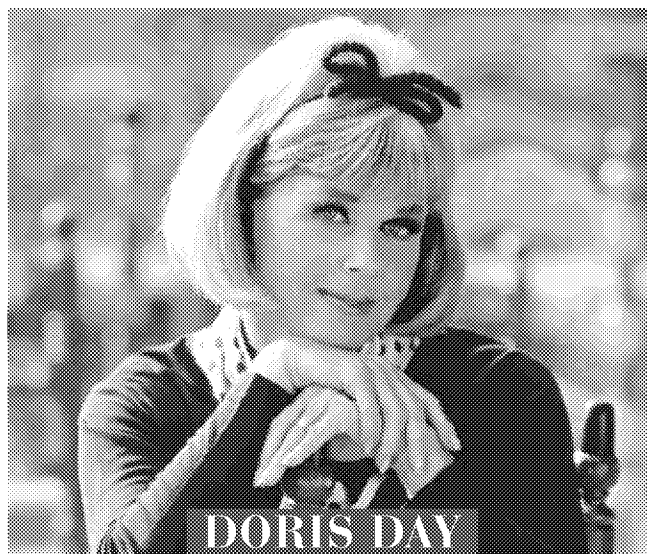
WE REMEMBER

Fond farewells to stars, celebrities and others who'll live on in our memories

BY SAMUEL R. MURRIAN

Why look back? "It's always been important to remember," says Ben Mankiewicz, a host on TV's Turner Classic Movies network. "It's more than just nostalgia. Acknowledging our history and celebrating it is critical to moving forward as a society. It makes it particularly important to acknowledge where we came from. Celebrating the lives of great artists is a huge part of it."

We forge a unique and powerful bond with public figures and celebrities, says Mo Rocca, a correspondent for *CBS Sunday Morning*, host of TV's *The Henry Ford's Innovation Nation* and author of the recent book *Mobituaries: Great Lives Worth Reliving*. "People who we see on TV, I think especially, become part of our lives," he says. "We mourn them. Maybe not in the same way we mourn family members, but they're a part of us."

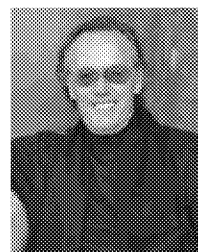


An icon of the big screen, the actress, singer and animal welfare activist rose to prominence in the golden age of Hollywood, best known for pictures made with co-star Rock Hudson. She sang in many movies, but most memorable may be her haunting rendition of "Que Sera, Sera (Whatever Will Be, Will Be)" in Alfred Hitchcock's *The Man Who Knew Too Much*. Day was awarded the Presidential Medal of Freedom in 2004, and was 97 when she died May 13. "She managed to be sunny without ever being saccharine, and I think that's a very hard thing to pull off," says Rocca. "And her sensitivity and kindness to her friend Rock Hudson, at a time when people were terrified by AIDS, just reminded us why we loved Doris Day."

Doris Day turned down the role of Mrs. Robinson opposite Dustin Hoffman in *The Graduate*.

What songs by Ringo, Elton and Wham! mention Doris Day? Go to Parade.com/goodbye to find out and for more fond farewells.

Son of Henry, brother of Jane and father of Bridget, the New York City-born actor **PETER FONDA** cut his teeth in theater and established

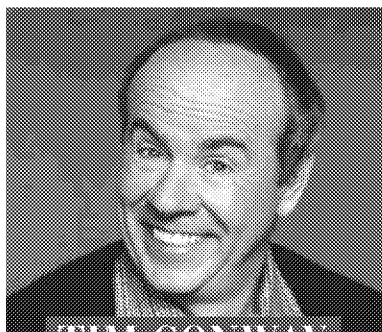


himself as a key figure in the counterculture movement in the 1969 movie *Easy Rider*, which he produced, co-wrote and starred in. He died Aug. 16 at 79 in Los Angeles. In a statement shortly after his death, sister Jane said, "He was my sweet-hearted baby brother. The talker of the family. He went out laughing."

TV journalist and author **COKIE ROBERTS** died



Sept. 17 at 75. Her decades-spanning career as political reporter included spots with NPR and ABC. Growing up, Rocca would see Roberts at church: "Every Sunday at noon mass, she would be a few minutes late, because she came in from the taping of *This Week With David Brinkley*. She would go right to the front and sing with the choir. That tells you something about her dedication and her willingness to put herself out there, in a really good way."



TIM CONWAY

The co-star of Carol Burnett's iconic variety show (for which he won four Emmys) passed away May 14 at 85. Among Conway's most unforgettable *Carol Burnett Show* sketches: "The Dentist" opposite Harvey Korman. Look it up on YouTube; you'll laugh 'til it hurts.

"I spend a lot of time thinking of the hereafter—each time I enter a room, I wonder what I'm here after."

—Tim Conway

"Nobody says 'the Great Conway and Korman,'" says Mankiewicz. "But maybe they should."

"Like his erstwhile partner Don Knotts," says Rocca, "Tim Conway was one of those funny people who was both wildly popular and a comedian's comedian. I think it's because he so clearly did what he did simply because he loved cracking people up."

Famous Green Bay Packers QB and coach **BART STARR**—the only quarterback in NFL history to win three consecutive league championships—died May 26 at 85.



Baltimore civil rights activist **REP. ELIJAH CUMMINGS** passed away Oct. 17 at 68. He integrated a segregated South Baltimore swimming pool when he was 11.



PETER MAYHEW

English-American actor Peter Mayhew played Chewbacca in all of the character's *Star Wars* appearances from 1977 through 2015's *The Force Awakens*. This year's *The Rise of Skywalker* is dedicated to the memory of Mayhew, who died April 30 at 74.

Chewbacca was inspired by George Lucas' dog, who liked to ride in copilot position in the director's car. Mayhew got the role, in part, because of his unusual height: 7 feet 3 inches.



CAROL CHANNING

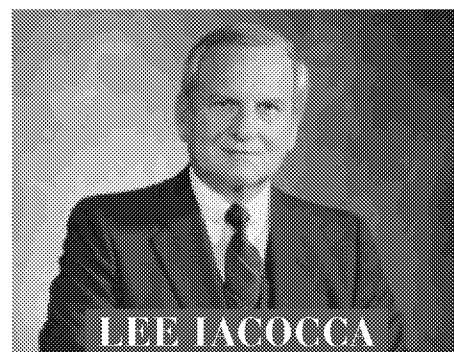
An American Theater Hall of Fame inductee, Channing broke through as Lorelei Lee in *Gentlemen Prefer Blondes* in 1949. She won a Tony for *Hello, Dolly!* in 1964, then continued performing well into her 90s. She died on Jan. 15 at 97. "I can think of no greater loyalty than that which Carol Channing had for the role of Dolly Levi. She played that role for nearly 5,000 performances," says Rocca. "I have a real affection for the troopers and the survivors—people who just keep going for sheer love of performing. She was one of those."



1992 and '96 presidential candidate billionaire **ROSS PEROT** died July 9 at 89.



Original Mouseketeer **KAREN PENDLETON** died Oct 6 at 73.



LEE IACOCCA

Best known for the development of the Ford Mustang and Pinto, auto exec Lee Iacocca also co-authored several books, including an autobiography and *Where Have All the Leaders Gone?* He died July 2 at 94. "He represents America's comeback during one of this country's worst recessions, in the early '80s," says Rocca. "There was a forcefulness and a warmth about him. Because he was a child of two Italian immigrants, there was something so American about him."



Scene-stealing **GEORGIA ENGEL** (*The Mary Tyler Moore Show*, *Everybody Loves Raymond*) died April 12 at 70.

Heiress, artist, author, actress and fashion designer **GLORIA VANDERBILT** was eulogized by her son, newscaster Anderson Cooper, in a CNN broadcast following her death on June 17 at 95.



continued on page 12

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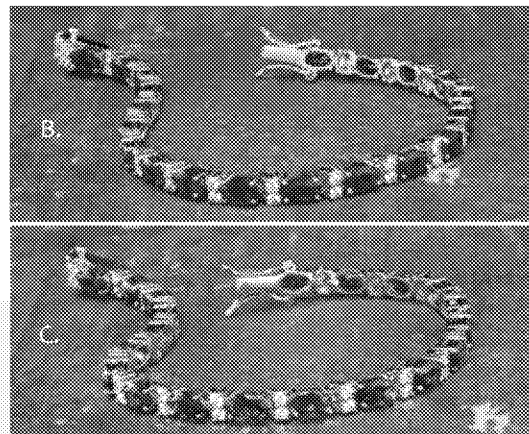
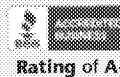
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Ask Marilyn

By Marilyn vos Savant

Is it possible for an adult with naturally blond hair to have brown eyes?

—Margaret Flinn, Normal, Ill.

Inheritance of eye color is more complicated than we had once thought. So the answer is yes, but the combination is extremely rare.

I am inspired by the quizzes in your column to submit this one. What do these words have in common (other than having six letters): abhors, adopt, almost, begins, bijoux, biopsy, chimps, chinos, chintz?

—Richard Lederer, San Diego, Calif.
Ah, a question from my verbiore friend (also known as Attila the Pun and Conan the Grammarian)! What do you think, readers? The answer appears below Numbrix.

Send questions to marilyn@parade.com



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Answer: The letters in each word appear alphabetically.

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operate and its exclusive footrest swings out of the way when you stand up or sit down. With its rugged yet lightweight aluminum frame, the **Zinger** is sturdy and durable yet convenient and comfortable! What's more, it easily folds up for storage in a car seat or trunk— you can even gate-check it at the airport like a stroller. Think about it, you can take your **Zinger** almost anywhere, so you don't have to let mobility issues rule your life. It folds in seconds without tools and is safe and reliable. It holds up to 275 pounds, and it goes up to 6 mph and operates for up to 8 miles on a single charge.

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The Zinger Chair is a personal electric vehicle and is not a medical device nor a wheelchair. Zinger is not intended for medical purposes to provide mobility to persons restricted to a sitting position. It is not covered by Medicare nor Medicaid.

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NATION&WORLD

DIGEST

Australia battles large wildfires

PERTH, Australia — Australia's most populous state was paralyzed by "catastrophic" fire conditions Saturday. Bushfires raged across several states, destroying homes and claiming the lives of two volunteer firefighters.

"Catastrophic fire conditions are as bad as it gets," New South Wales Rural Fire Services Commissioner Shane Fitzsimmons told reporters.

Thirty firefighters from Canada and nine from the United States were among fresh crews set to join the battle against the fires on Sunday.

The devastation has put pressure on Prime Minister Scott Morrison, who apologized Sunday for going on a family vacation in Hawaii. Morrison cut his vacation short and came home Saturday amid public anger at his absence from Australia at a time of national crisis.

"I am sure Australians are fair-minded and understand that when you make a promise to your kids you try and keep it," Morrison said.

23 dead as protests grow in India

NEW DELHI — Violent protests against India's citizenship law that excludes Muslim immigrants swept the country over the weekend despite the government's ban on public assembly and suspension of internet services in many parts, raising the nationwide death toll to 23, police said.

Nine people died in clashes with police in Uttar Pradesh on Saturday, said state police spokesman Pravin Kumar. He said most of the victims were young people but denied police were responsible.

The ongoing backlash against the law marks the strongest show of dissent against the Hindu nationalist government of Prime Minister Narendra Modi since he was first elected in 2014.

The law allows Hindus, Christians and other religious minorities who are in India illegally to become citizens if they can show they were persecuted because of their religion.

BRIEFLY

IMPEACHMENT: President Donald Trump complained Saturday about House Speaker Nancy Pelosi's delayed transmission of the articles of impeachment to the Senate, which may delay a trial in the GOP-controlled chamber. "It's so unfair," Trump said, days after he was impeached by the House, as he spoke at a conservative student conference.

CAPSULE: Boeing aimed to bring its Starliner crew capsule back to Earth on Sunday to end its first test flight, a mission cut short by an improperly set clock on the spacecraft. The Starliner — carrying no astronauts, only a test dummy — was supposed to spend the coming week at the International Space Station.

EXTREMISM: France's President Emmanuel Macron has vowed to boost the fight against Islamic extremism in West Africa as French troops killed 33 Islamic extremists in central Mali. By Macron's side, Ivorian President Alassane Ouattara in Abidjan announced a "historic" reform of the French-backed currency CFA Franc.

SANCTIONS: A company that operates ships laying sections of a new German-Russian pipeline said Saturday it is suspending the work after U.S. President Donald Trump signed legislation threatening sanctions. The U.S. has been an outspoken opponent of the pipeline, which will transport natural gas about 750 miles.

GUNS: New Zealand authorities said Saturday their country will be a safer place after owners handed in more than 50,000 guns during a buyback program following a ban on assault weapons. But critics say the process was flawed and many owners have illegally stashed their firearms.

AFGHANISTAN: The Afghan government said Saturday it has detained about 700 Islamic State group fighters and family members in eastern Afghanistan over the past six months. Many were arrested, but some turned themselves in.

— Associated Press

CONGRESSIONAL RACES | IMPEACHMENT

Vote locks in 2020 issue

Now voters will decide whether to reward or punish incumbents

ALAN FRAM
Associated Press

WASHINGTON — The day after nearly every House Democrat voted to impeach President Donald Trump, the chief of the House Republican campaign committee said the political fallout was clear.

"Last night their obsession with impeachment finally came to a head, and they basically ended their majority," Minnesota Rep. Tom Emmer said Thursday. "Max Rose is done," he continued, listing him among freshmen Democrats from districts Trump captured in 2016 who he said won't survive next November's elections.

The feisty Rose, a Brooklyn native and Afghanistan combat veteran with an advanced degree from the London School of Eco-

nomics, sees things differently. "Mark my words, OK?" said Rose, whose Staten Island-centered district was the only one Trump won in New York City. "We are going to beat them by such a wide margin that next time around, they won't even talk like this again, OK?"

It's too early to say who will be proven correct as Republicans wage a challenging struggle to regain the House majority they lost last year. But less than 11 months from presidential and congressional elections, the near party-line House vote impeaching Trump locked in lawmakers' positions on the subject. Many moderate lawmakers from swing districts had spent months saying they were on the fence.

Now, voters will decide whether to reward or punish incumbents for their choices. And while Republicans and Democrats acknowledge that other issues like the economy and health care costs could overwhelm impeachment

by next November, both sides — but especially the GOP — are already using the bitter impeachment fight as weapons.

"This is an attack on Democracy," blared one Trump campaign fundraising email that included a thank you from "Donald J. Trump, President of the United States." It added, "An attack on freedom. An attack on everything we hold dear in this country. And it's an attack on YOU."

Freshman Rep. Harley Rouda, who ousted a 30-year House GOP veteran from what was once a Republican stronghold in Southern California, was among Democrats issuing their own pleas for cash.

"Last night I cast my vote to defend our Constitution and impeach the President of the United States. A vote bigger than party, polling, and politics, & we've faced an onslaught of attacks since," Rouda beseeched supporters.

Republican organizations and conservative outside groups have

outspent their Democratic rivals, \$11 million to \$5 million, on television ads mentioning impeachment in congressional races. The figures from Advertising Analytics, a firm in Alexandria, Virginia, that tracks advertising, exclude spending by candidates' campaigns.

Underscoring how the GOP is using impeachment for offense while Democrats are in a more defensive crouch, all but one of the 18 districts that have seen at least \$500,000 spent on the issue are held by Democrats.

Democrats led by Speaker Nancy Pelosi, D-Calif., control the House 232-198, plus one independent and four vacancies. That includes Thursday's party switch by New Jersey Rep. Jeff Van Drew, who joined the GOP after being one of only two Democrats who opposed impeachment.

Impeachment will reverberate as well in Senate races, where the GOP will be fighting to retain its 53-47 majority.



VADIM GHIRDA, ASSOCIATED PRESS

ROMANIA MARKS 30TH ANNIVERSARY OF ANTI-COMMUNIST UPRISING

A woman walks by honor guard soldiers during a memorial religious service Saturday at the Heroes' cemetery, to honor those killed in the uprising, in Bucharest, Romania. Romania marks the 30th anniversary of the anti-communist uprising that started in the western Romanian town of Timisoara on Dec. 16 and in Bucharest on Dec. 21, 1989, and left more than 1,000 people dead and ended the rule of dictator Nicolae Ceausescu.

VATICAN

Pope denounces Christian 'rigidity'

Francis aims message at conservatives in warning of decline

NICOLE WINFIELD
Associated Press

VATICAN CITY — Pope Francis warned Saturday that "rigidity" in living out the Christian faith is creating a "minefield" of hatred and misunderstanding in a world where Christianity is increasingly irrelevant.

Francis called for Vatican bureaucrats to instead embrace change during his annual Christmas greetings to the cardinals, bishops and priests who work in the Holy See.

Francis' message appeared aimed at conservative and traditionalist Catholics, including within the Vatican Curia, who have voiced increasing opposi-



Francis

tion to his progressive-minded papacy. Their criticisms have accelerated over the past year, amid Vatican financial and sex abuse scandals that may have predated Francis' papacy but are nevertheless coming to light now.

Francis issued a stark reality check to the men in the Sala Clementina of the Apostolic Palace, acknowledging that Christianity no longer holds the commanding presence and influence in society that it once did.

He cited the late Cardinal Carlo Maria Martini, a leader of the progressive wing of the Catholic Church, who in his final interview before dying in 2012 lamented that the church found itself "200 years behind" because of its inbred fear

of change.

"Today we are no longer the only ones that produce culture, no longer the first nor the most listened to," Francis told the prelates. "The faith in Europe and in much of the West is no longer an obvious presumption but is often denied, derided, marginalized and ridiculed."

As a result, he urged the Catholic hierarchy to embrace the necessary pastoral reforms and outlook that will make the church attractive so that it can fulfill its mission to spread the faith.

"Here we have to beware of the temptation of assuming a rigid outlook," Francis said. "Rigidity that is born from fear of change and ends up disseminating stakes and obstacles in the ground of the common good, turning it into a minefield of misunderstanding and hatred."

Traditionalist Catholics have

denounced Francis' emphasis on mercy and openness to doctrinal wiggle room on issues such as sacraments for divorced and civilly remarried Catholics. They also sharply criticized his recent synod on the Amazon, which called for the ordination of married men as priests.

Meanwhile, the Legion of Christ religious order, which was discredited by its pedophile founder and the cult-like practices he imposed, says an internal investigation has identified 33 priests and 71 seminarians who sexually abused minors over the past eight decades.

A third of the priestly abusers were themselves victims of the Legion's late founder, Rev. Marcial Maciel, while others were victims of his victims — a multi-generational chain of abuse that confirms Maciel's toxic influence spread throughout the order.

Six die in Las Vegas apartment building fire

13 hurt; some residents were forced to jump from high windows

MICHELLE L. PRICE, PAUL DAVENPORT
AND MARC LEVY
Associated Press

LAS VEGAS — A fire in a three-story apartment building in downtown Las Vegas where residents were apparently using their stoves for heat killed six people and forced some residents to jump from upper-floor windows to escape the heavy smoke before dawn Saturday, authorities said.

Investigators reported that the fire started around a first-floor unit's stove and that residents had told them that there was no heat in the building, which sits a few blocks from downtown Las Vegas' touristy Fremont Street District.

Residents reported awakening to pounding on doors around 4 a.m.

By the time Matthew Sykes got his clothes on to flee, one end of his second-floor hallway was choked with thick black smoke, as was a stairwell, making it impassable for he and his wife.

"The whole place was like one big black cloud of smoke" Sykes

told The Associated Press.

Firefighters arriving at the scene began treating injured and using ladders to rescue numerous people already jumping or hanging from windows, fire department spokesman Tim Szymanski said.

"The first thing that you think of is: We've got to rescue those people. A fall of 16 feet or higher can be fatal."

Thirteen people were injured, mostly from smoke inhalation, but victims also had fractures, Szymanski said.

The Las Vegas Review-Journal reported that a pregnant woman in her first trimester fell after her hands slipped on a rope of bed

sheets while descending from her third-floor apartment, leaving her with multiple fractures. Her husband told the newspaper that medical personnel told him the fetus' heartbeat appeared strong.

Three people were found dead in the apartment where the fire started, Szymanski said.

It wasn't immediately clear if anyone died after falling or jumping from windows, Szymanski said.

The cause of the fire appeared to be accidental, and the fire was largely contained to the first-floor unit where it started in the stove area, Szymanski said.

WEEK IN REVIEW

VISIT OUR WEBSITE TO VIEW MORE WEEK IN REVIEW CONTENT

IN THE NEWS

Congress passes \$1.4T budget bill

The Senate passed a \$1.4 trillion government spending package Thursday in a last bipartisan burst of legislating before bolting for the holidays from a Capitol riven by impeachment.

Lawmakers cleared the two-bill package in a set of votes, sending it to President Donald Trump in time to forestall a possible government shutdown this week-end.

The Democratic-controlled House passed the measure Tuesday.

The legislation delivers Trump a victory on his U.S.-Mexico border fence and gives Democrats long-sought domestic spending increases and a repeal of Obama-era taxes on high-cost health insurance plans.

ACA LAWSUIT: A federal appeals court on Wednesday struck down "Obamacare's" now-toothless requirement that Americans carry health insurance but sidestepped a ruling on the law's overall constitutionality.

BOEING MAX: Boeing announced Monday that it was temporarily halting production of the 737 Max as it struggles to get approval from regulators to put the plane back in the air. The economic hit reverberated across the United States for companies that supply parts for the troubled plane.

CLIMATE TALKS: Marathon U.N. climate talks ended last Sunday with a slim compromise that sparked widespread disappointment, after major polluters resisted calls for ramping up efforts to keep global warming at bay. Also, negotiators postponed debate about rules for international carbon markets for another year.



HOUSE TELEVISION VIA AP

PELOSI PRESIDES OVER VOTE

After the House voted on Wednesday night to approve two articles of impeachment against President Donald Trump, Democratic Speaker of the House Nancy Pelosi banged the gavel and declared, "The president is impeached." During a news conference after the vote, Pelosi raised eyebrows when she repeatedly refused to say when — or whether — the House will send the articles to the Senate for trial. "We'll see" whether the Senate announces terms she considers fair, she told reporters.

BIG NUMBER

3 Number of U.S. presidents who have been impeached by the House of Representatives: Andrew Johnson, Bill Clinton and Donald Trump. Richard Nixon resigned before the House took a vote.

HE SAID ...

“It'll be impossible to look back at this presidency and not discuss impeachment. It is permanently tied to his record. Trump now always becomes part of the conversation about misusing presidential power. Ukraine will be his Watergate. Ukraine will be his Lewinsky.”

—Julian Zelizer, a presidential historian at Princeton University, following the House vote to impeach Donald Trump

IMPEACHMENT DIGEST

TRUMP REACTION: President Donald Trump labeled his impeachment by the House of Representatives on Wednesday “a suicide march” for the Democratic Party as he delivered a rambling two-hour campaign rally speech in Battle Creek, Michigan, that overlapped the vote.

NO-SHOWS: Three lawmakers — Republican Reps. John Shimkus of Illinois and Duncan Hunter of California, and Democratic Rep. Jose Serrano of New York — missed the historic House votes to impeach President Donald Trump. Hunter, who pleaded guilty to illegally using campaign money for personal expenses, was warned by the House Ethics Committee not to vote again. Shimkus was visiting his son in Tanzania, and Serrano has Parkinson's disease and suffered a recent health setback.

NETWORK COVERAGE: When Speaker Nancy Pelosi's gavel signaled that President Donald Trump was impeached, CBS was airing the season finale of “Survivor” and ABC was showing a live version of the old “All in the Family” sitcom. The Fox broadcast network, which didn't show the hearing all day, aired “The Masked Singer.” NBC was the only major broadcast network to stick with impeachment through the vote.

GABBARD ‘PRESENT’: Already comfortable as an outlier in her party, Democratic presidential candidate Tulsi Gabbard did not support the impeachment of President Donald Trump, voting “present” Wednesday on two articles that cleared the House. Gabbard said voters would be able to hold Trump accountable in the 2020 election.

WATER COOLER

NEW YEAR'S EVE: You can ring in the New Year with Post Malone. The rap-pop star will perform at “Dick Clark's New Year's Rockin' Eve with Ryan Seacrest 2020” on Dec. 31 in New York City. Dick Clark Productions said Tuesday that K-pop group BTS, country singer Sam Hunt and singer-songwriter Alanis Morissette — joined by the cast of Broadway's “Jagged Little Pill” — will also perform at the event, which will air live on ABC.

‘STAR WARS’: Audiences at Hollywood's Dolby Theatre rose to their feet after the credits rolled at the end of the screening of the “Star Wars” franchise's third trilogy finale Monday night. Following the screening, “The Rise of Skywalker” was met with generally positive reviews after director J.J. Abrams told the audience before the film played that he was “mostly terrified” to show the movie.

CAREY CHRISTMAS: Christmas has come early for Mariah Carey: the pop star's original holiday classic, “All I Want for Christmas Is You,” has reached the No. 1 spot on the Billboard Hot 100 chart 25 years after its release.

MOVIE SHORTLIST: Ten international films are on the shortlist of movies vying for Academy Award nominations. It is the first year the Oscar will be awarded under a new name: best international feature film. The category was previously known as the best foreign language film. The 10 short-listed films are: the Czech Republic's “The Painted Bird”; Estonia's “Truth and Justice”; France's “Les Misérables”; Hungary's “Those Who Remained”; North Macedonia's “Honeyland”; Poland's “Corpus Christi”; Russia's “Beanpole”; Senegal's “Atlantics”; South Korea's “Parasite” and Spain's “Pain and Glory.”

— Associated Press

THE SUNDAY EXTRA

SUNDAY, DECEMBER 22, 2019



ROBERT F. BUKATY PHOTOS, ASSOCIATED PRESS

Sugar cane is harvested, attracting cattle egrets in search of insects, Oct. 25 near South Bay, Fla. Much the original Everglades wetlands have been drained to create agricultural land, depriving the ecosystem of its natural water flow.

Guardians fight time — and climate

Work is underway to save, maintain the Florida Everglades

ALLEN G. BREED | Associated Press

Grabbing a clump of vegetation to steady herself, Tiffany Troxler gingerly slides her feet along the makeshift boardwalk as she ventures out into the marsh. The boards sag, dipping her up to her knees in the tea-colored water.

“This is the treacherous part,” the Florida International University researcher says. “The water levels are up.”

To a layman, this patch of brown-green saw grass and button mangrove deep inside Everglades National Park looks healthy enough, but Troxler knows trouble lurks just beneath the murky surface. She points to a clump of grass: Beneath the water line, the soil has retreated about a foot, leaving the pale root mass exposed. It is evidence that the thick mat of peat supporting this ecosystem is collapsing — and research suggests encroaching sea water is to blame.

“You can think about these soils as your bank account,” says Troxler, associate director of FIU’s Sea Level Solutions Center. “In the condition that this marsh is right now, the outlook is not



Ian Bartoszek, right, and Ian Easterling carry a 14-foot, 95-pound female Burmese python out of an upland habitat Oct. 23 in Naples, Fla. A male python fitted with a radio transmitter implant led them to the female a couple of yards from an upscale housing development.

good.”

Formed roughly 5,000 years ago, during a time of sea level rise, the Everglades once comprised an area twice the size of New Jersey. But over the course of just the last century, about half of the Everglades’ original footprint has been lost — plowed under or paved over, never to be recovered, so long as South Florida’s 8 million human inhabitants

claim it for their homes, livelihoods and recreation.

The glades have been sapped by canals and dams that remapped the landscape and altered animal habitats, polluted by upstream agricultural areas, transformed by invasive species. And now, rising sea levels — this time, caused by man — threaten to undo what it took nature millennia to build.

What the Army Corps of Engineers calls a “highly managed system,” others have sardonically labeled a “Disney Everglades.”

Nearly two decades and \$4 billion into the Comprehensive Everglades Restoration Plan, an ambitious federal-state program adopted in 2000, new data about the pace of climate change have called into question how much of the Everglades can ever be restored.

“I tend to think that everything can be saved,” says Fred Sklar of the South Florida Water Management District, which monitors and runs much of the Everglades’ infrastructure. “Restored is another question.”

Today, we understand that natural systems like the untouched Everglades provide enormous benefits — water filtration, nurseries for fish and other wildlife, protection from storm surges, even carbon sequestration. But to 19th-century Floridians, all that water — and the mosquitoes and reptiles it harbored — represented an impediment to progress.

And so when Florida became a state in 1845, one of the Legislature’s first acts was to pass a resolution asking Congress to survey the “wholly valueless” Everglades “with a view to their reclamation.”

Beginning in earnest during the

Please see **EVERGLADES**, next page

Accidental shootings by police expose training shortfalls

MARTHA BELLISLE
Associated Press

SEATTLE — When an Iowa mother tried to take her child from her husband during an argument on a snowy sidewalk in 2015, an officer stepped in to stop the scuffle. But he accidentally fired his weapon as her family watched in horror.

When a Minnesota sergeant stopped a motorcyclist after a 2015 high-speed chase, he stepped out of his patrol car with his firearm drawn, flush with adrenaline, and accidentally shot the man in the arm.

And an Arkansas police officer fatally shot a suspect in 2012 as

she tried to get him into handcuffs.

Accidental shootings by law enforcement have happened in recent years at agencies small and large and at all levels — city, county, state and federal — across the U.S., an Associated Press investigation has found. They’ve caused hundreds of injuries to officers, their partners, suspects and bystanders, and sometimes they’ve caused deaths.

Experts say it’s because officers don’t get the training they need to handle their guns proficiently, especially in life-and-death situations.

The methods used to train officers with their firearms “create

the illusion of learning” but are inadequate for the demands of today’s policing, said Bill Lewinski, executive director of the Illinois-based Force Science Institute, which provides research and training to law enforcement agencies.

Officers are most proficient with their guns immediately after finishing a police academy, experts say.

After that, most are tested only once or twice a year in “qualifications” that measure a minimum level of firearms proficiency. There are no federal guidelines for these tests so there are thousands



TED S. WARREN, ASSOCIATED PRESS

An officer at Washington state’s Basic Law Enforcement Academy fires his weapon during training class earlier this year in Burien, Wash.

Please see **POLICE**, next page

FBI often doesn't complete gun checks

JOSHUA EATON
Tribune News Service

WASHINGTON — The FBI never completes hundreds of thousands of gun background checks each year because of a deadline that requires it to purge them from its computers, despite a report that raised alarms about the practice in 2015.

The data, which have not been previously published, shows how the FBI still struggles to complete background checks four years after a breakdown in the system contributed to a shooting in Charleston, South Carolina, that left nine black churchgoers dead.

A 2015 internal report on what went wrong in that case recommended ways to decrease the number of background checks that take longer than 88 days. After that point, the FBI must purge checks from its computers. That year, the bureau processed more than 8.9 million checks and never completed 200,360. That number rose in 2016 and 2017 before a slight dip last year, when the FBI processed 8.2 million checks but did not complete 201,323.

All told, the FBI did not complete more than 1.1 million background checks from 2014 through July 2019.

Since the data are purged, it's impossible to know how many of those people have purchased guns without a completed background check — or how many purchases would have been blocked if the background checks were complete.

“Based on this data, it would be illogical to argue that Americans are more safe today than they were in 2015,” said W. Mullins McLeod Jr., who is representing several families of Charleston victims.

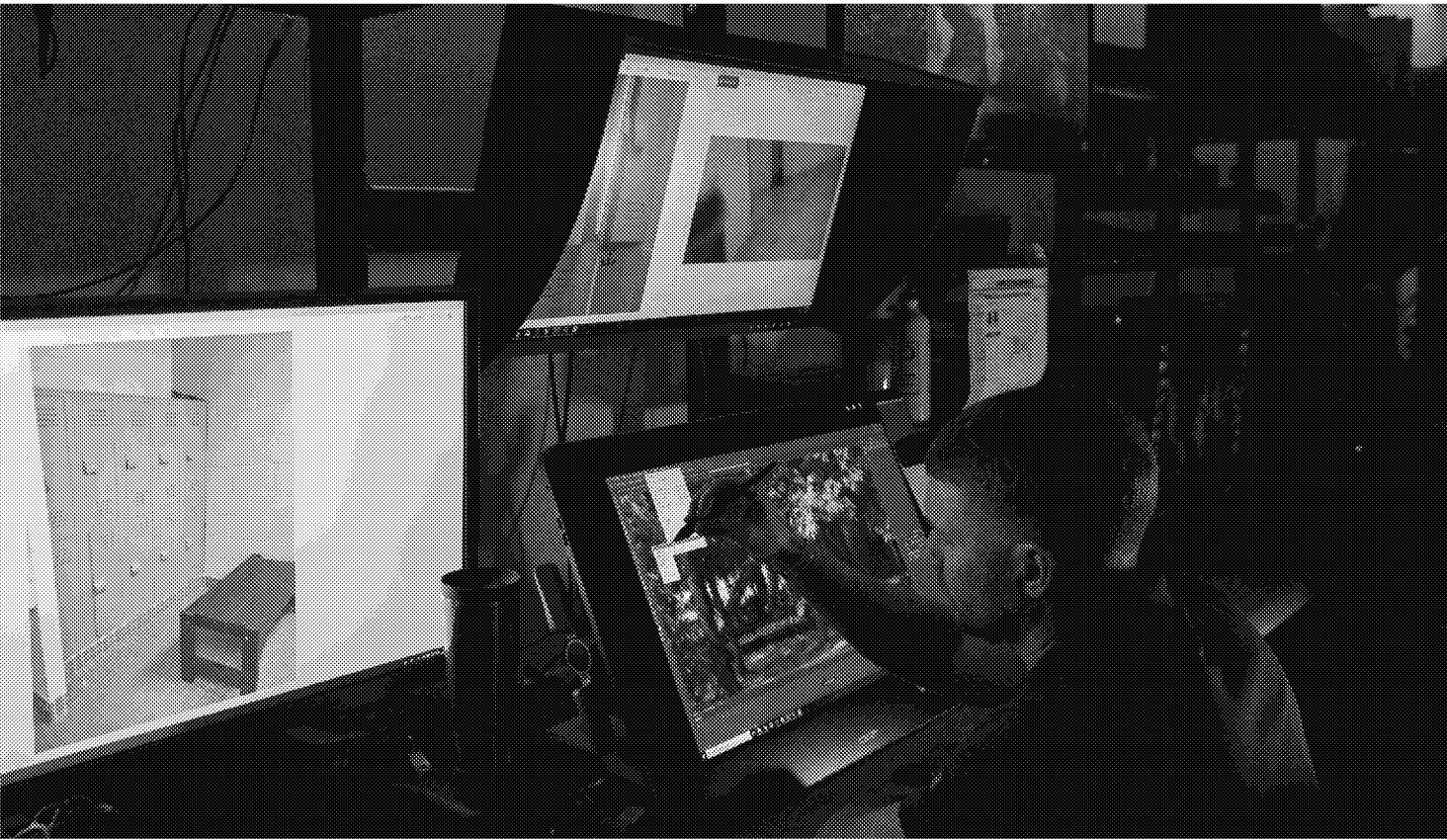
The families are suing the federal government over what they say was FBI negligence that allowed shooter Dylann Roof to buy a gun despite a previous drug arrest that should have prohibited him.

The FBI did not respond to a request for comment.

Gun background checks are meant to ensure that people who can't legally buy a gun, such as people convicted of a felony or those under a restraining order, don't buy one from a licensed dealer. The FBI can usually give the dealer an immediate answer. But it has to delay about 11% of sales so it can do more research.

When that happens, the FBI has two big deadlines to contend with.

The first big deadline is three business days. After that, the dealer can sell the gun without a completed background check, though many large retailers choose not to.



JACQUELYN MARTIN, ASSOCIATED PRESS

A computer forensic analyst reviews a case inside the Victim Identification Lab, part of Homeland Security's Child Exploitation Investigations Unit, on Nov. 22 in Fairfax, Va.

How tiny clues help solve child sex cases

COLLEEN LONG
Associated Press

FAIRFAX, Va. — It was the odd-looking locker handles that caught their eye.

Investigators spent hours poring over graphic images of little boys changing in and out of their swimsuits at what looked like a YMCA. They were hunting for any clue to help them identify the location — and ultimately, the victims and the person who exploited them.

Then they noticed that the locker handles had unusual plastic hooks. They scrubbed the photos to remove the images of children, then sent the pictures to locker manufacturers. One of them recognized the lockers and said they had been installed at YMCAs. Eventually, investigators matched the photos to a YMCA in Sandusky, Ohio. That led to the suspect, a former Boy Scout leader.

These weren't FBI or local police, but investigators from the agency that's the poster child for President Donald Trump's polarizing immigration policies: U.S. Immigration and Customs Enforcement. ICE's Homeland Security Investigations section, tasked with investigating crime, has a Child Exploitation Investigations lab where agents scour disturbing photos and videos of child sexual abuse.

They look for unlikely clues that help them identify the children and bring their abusers to justice. In one case, it was the loud, persistent chirping of a bird. Another time, it was unusual playground equipment.

“We are looking at the hidden

details, the things people aren't looking at,” said Special Agent Erin Burke, the section chief.

The work of Homeland Security Investigations agents has led to thousands of child exploitation-related arrests. But being part of ICE has taken a toll. Funding for HSI has fallen as a greater share of ICE's budget is devoted to removing immigrants. And the association with ICE has created friction.

Some cities and police departments refuse to comply with ICE on immigration matters, like alerting them to criminal suspects wanted for crossing the border illegally. Sometimes that bleeds into the HSI investigators' work, too. Just having the email end in “ice.dhs.gov” can cause problems.

“Ninety-nine percent of what we do here has no immigration nexus,” Burke said. “But people have a hard time understanding this.”

ICE's involvement in child pornography investigations dates back to when hard-copy images were traded over borders. Now it's all online. The internet has made it so investigators around the globe can't keep pace with the tens of millions of graphic materials available today. It's exploded in part thanks to cheaper online storage and easier encryption tools. The dark web gives additional cover to perpetrators. It has made them bolder, their abuse more graphic and disturbing, the work of the investigators more difficult.

The lab was created in 2011 to look for clues within images to help find child victims.

It has three analysts and one special agent. They work in a small windowless room in a nondescript office building in the Virginia suburbs outside Washington. A sign on the door says in red bold letters: “Examination of graphic material in progress.”

Inside, new technology meets old: Fluorescent office lights are turned down and specialized blue lights glow. Giant, state-of-the-art computers with high-definition screens are set up alongside old police sketches of faces.

The cases come to them from local police, or international investigators who notice American victims. It can take two weeks, two days, two years to identify the children. Some they can't find. Those children haunt them.

In many cases, graphic images are accompanied by everyday shots of the child.

“They want to show they have access to a child,” Burke said. “So the ‘before’ images become a part of the story for them almost as much as the graphic images.”

In one case, an analyst examined images he received from the National Center for Missing and Exploited Children, a clearinghouse and reporting center for issues on the prevention of child victimization.

One photo showed, a girl, maybe 4 years old, from the back. She was scrambling atop a rock, her curly blonde hair in pig tails. The analyst photoshopped the victim out and sent the photo of the rock and the surrounding foliage to a horticulture expert at the Smithsonian Museum of

Natural History, who narrowed the location down to the southern U.S.

Next, the analyst looked at playground equipment in another “clean” image. He sent the photo to playground manufacturing companies and safety experts who could pinpoint where the equipment was installed, smack in the middle of a Houston neighborhood.

They sent their research to Texas field agents, who went door-to-door, asking schools, neighbors, businesses, anyone, if they'd seen the little girl, and eventually found the victim — and the suspect.

The girl's father pleaded guilty last June and was sentenced to 35 years for exploitation. But by then, images of the girl had been widely circulated. They were found in at least 222 collections, officials said.

In another case, analysts heard strange bird chirping in an abuse video. They isolated the sound and send it to an ornithologist who identified the bird and its migratory patterns. That led them to three suspects, the last of whom pleaded guilty last month. They are expected to be sentenced to a minimum of 15 years.

In the locker room case, a 39-year-old man pleaded guilty last month to sexual exploitation of a children and will be sentenced in January.

“The bad guys will always be smarter,” Burke said. “But that doesn't mean we don't have the tools, the expertise and the boots-on-the-ground hard work to make a dent.”

Everglades

From previous page

1880s, a host of entities set about draining the swamp. They dug canals carrying nutrient-laden water that altered the salinity of coastal estuaries and caused toxic algae blooms. They seeded the wetlands from the air with a thirsty, paper-barked Australian tree called melaleuca. The vast custard apple forest that girded the lake's southern shore was torched. And peat soils that had accumulated over thousands of years dried up and blew away, causing the ground to shrink 6 feet in some places.

And still, the tinkering continued.

It was an event in 1928 that, as much as any, altered the Everglades' course. That year, a hurricane overwhelmed a dike at Lake Okeechobee — the Everglades' 730-square-mile “liquid heart” — causing a deluge that killed 3,000 people. The resulting 143-mile, 30-foot-high Herbert Hoover Dike now nearly completely surrounds the lake, permanently severing its connection to the park.

Scientists estimate that more than 650 billion gallons of fresh water a year once flowed south into what is now the national park. Today, that flow is about 280 billion gallons.

Now, some of the same canals and levees and pumps that helped drain the Everglades are being used to try to save them.



ROBERT F. BUKATY, ASSOCIATED PRESS

A sailboat starts down the St. Lucie Canal after leaving Lake Okeechobee, background, through the Port Mayaca, Fla., lock Oct. 25 north of Belle Glade, Fla. The lock and dam were built in 1977 to raise the water level in the lake and provide flood control.

Alongside the Everglades Agricultural Area, the 700,000-acre checkerboard of sugar cane and winter vegetable fields south of Lake Okeechobee, huge tracts are being converted to store and clean water for use when and where it is needed.

Perhaps the biggest step toward that end so far is the re-engineering of Tamiami Trail, the east-west highway that essentially has acted as a dike through the heart of the Everglades since the 1920s. Since 2013, workers have elevated 3.3 miles of the

roadway, allowing water to flow freely into Shark River Slough, historically the deepest and wettest part of the Everglades.

“We're starting to see the vegetation respond, and we're getting more of those marsh grasses, more of those open water sloughs,” says Stephen Davis, a senior ecologist with the Everglades Foundation. “I'm very confident that we can restore this ecosystem. And by restoration, I mean enhancing the functionality of what remains.”

Police

From previous page

of different standards across the county.

No one tracks these shootings nationwide, so the AP collected media reports and surveyed agencies across the country through public records requests. The review was not comprehensive due to the sheer number of U.S. law enforcement agencies and a lack of reporting requirements for such shootings. But it provides a snapshot of the problem, documenting 1,422 unintentional discharges since 2012 at 258 agencies.

The tally includes any incident in which a gun went off and the officer didn't intend it to, whether they were cleaning or unloading a weapon or surging with adrenaline while responding to a call. Some shootings occurred because of muscle reflexes, experts said, or because the officer simply tripped.

Countless law enforcement officers safely perform their duties every day, but some experts say even a small number of accidental shootings is unacceptable because they're preventable.

“Ninety-nine out of 100 times, there is not something wrong with the gun,” said Paul Markel, a former police officer and firearms instructor in Mississippi. “It's the person holding it.”

In the 2015 Iowa case, Autumn Steele was arguing with her husband and trying to grab their 3-year-old son from him outside their Burlington home when Of-

ficer Jesse Hill approached. The husband, Gabe Steele, had called 911.

But the couple's dog darted toward Hill, and he lost his balance and fired two shots as he fell backward in the snow. One bullet hit the dog, the other hit 34-year-old Autumn Steele, killing her.

The AP found 21 cases where people died in accidental shootings by police. It identified another 134 cases where the officer injured himself, and 45 where an accidental discharge injured another officer. An officer accidentally shot innocent bystanders in 34 instances and suspects in 19.

Unintentional shootings typically lead to two investigations: An outside agency determines if charges should be filed, and internal review examines whether policies were violated and punishment such as suspension is appropriate.

In Autumn Steele's case, a prosecutor compared the evidence against Iowa's homicide statutes and decided Hill could not be charged. Steele's family filed a wrongful death suit against the officer and city and reached a \$2 million settlement.

Hill's lawyer did not respond to a request for comment from the AP.

Gabe Steele, 40, thinks Hill should have been held accountable.

“He just got to go on vacation and get paid for it, for taking my son's mother away,” Steele told the AP. “No one has ever apologized to me and my son. That hurts.”

In American schools, resource officers woven into daily life

MICHAEL MELIA
Associated Press

NEWTOWN, Conn. — An imposing presence in uniform at 6-foot-5, Officer Will Chapman towers over students in the halls of Newtown Middle School, but he tries to be as approachable as possible.

The school resource officer known as “Officer Will” aims to be seen by each student at least three times a day as he walks the halls 2 miles from Sandy Hook Elementary School, where a 2012 mass shooting left 20 students and six educators dead. He drops into art class and joins in on projects. Some days, he takes math quizzes alongside students.

The police officers assigned to schools receive scrutiny in times of emergency — as in Wisconsin, where school resource officers were involved in two student shootings earlier this month — but they also play a less-known role in the rhythms of everyday American classroom life.

Beyond their law enforcement role, the model for school resource officers endorsed by the U.S. Justice Department enlists them also as mentors, informal counselors and educators on topics ranging from bullying to drunk driving with the goal of promoting school safety.

School resource officers receive the same baseline training as other officers, but experts say doing the job well requires skills and training to understand and build strong relationships with

young people. “It is very much a community-based policing approach,” said Mo Canady, executive director of the National Association of School Resource Officers. “This is about problem solving, relationship building and doing things to make a positive difference in the lives of kids, quite frankly.”

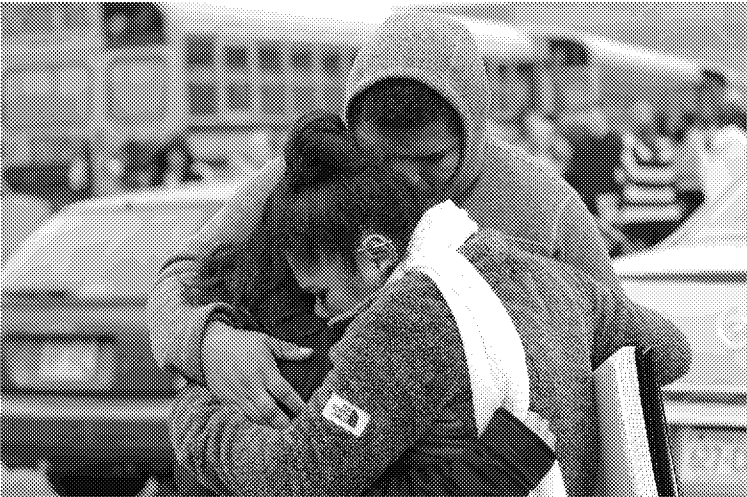
Chapman, for one, said he works hard to ensure students know he is there for them — and not because of them.

“I want my students to understand first and foremost that I love them dearly and there is nothing they can do, bad or good, to change how much I care about them,” he said. “Their choices can limit my options in how I communicate that love, but it is never any less true.”

Nationwide, 43% of public schools had an armed law enforcement officer present at least once a week in the 2015-2016 school year, the last time the National Center for Education Statistics released data on this topic. The officers work closely with school administrators, who are encouraged to reach understandings with officers that disciplinary issues short of anything illegal are to be handled by school officials.

In cases of real and immediate threats to students or teachers, however, the rules on use of force are set by the police departments that assign the officers to the schools.

That is important because it is



MIKE DE SISTI, ASSOCIATED PRESS

Becky Galvan, center, consoles her daughter, Ashley Galvan, a 15-year-old sophomore, with her father Jose Chavez outside Waukesha South High School Dec. 2 in Waukesha, Wis., after gunshots were exchanged between a student and a school resource officer inside the school.

the police department that ensures the officer has the appropriate training, said Jeff Kaye, president of School Safety Operations, a consulting firm. In the event of a police shooting, the officer also should face oversight from an agency with expertise in use-of-force policies, he said.

In Wisconsin, an Oshkosh Police Department resource officer shot a 16-year-old student Dec. 3 after the boy stabbed him at Oshkosh West High School. A day earlier, a resource officer at Waukesha South High School helped clear students out of a classroom after a student pointed a pellet gun at another student's head. Another police officer en-

tered the room and shot the student. Neither student who was shot suffered life-threatening injuries.

Chapman said he always parks his cruiser where it is visible from the street, in part to reassure parents in a community still recovering from one of the deadliest school shootings in U.S. history. He's able to focus more on students because of private armed security hired in the tragedy's aftermath.

“It frees me up to go into a classroom and sit down and dissect a frog with seventh-graders because I'm not constantly worried about, ‘What if somebody comes in that we don't want

here?” he said.

At Aberdeen Middle School in Maryland, school resource officer Jason Neidig said he greets students as they enter the building to look for anything out of the ordinary and takes aside any who seem upset to ask if they want to talk. He walks the hallways, checks areas where weapons could be hidden and joins administrators in meetings with troubled students. He pokes fun at himself and trades messages with students on his Instagram account as @srojason.

“I do not take the stereotypical ‘aggressive’ approach when talking to students, not even the ones I sometimes have to refer to the Department of Juvenile Services or arrest,” he said.

The growth in the number of officers inside schools over the last quarter century has led to fears about children getting caught up in the criminal justice system, furthering the so-called school-to-prison pipeline.

A 2013 review by the Congressional Research Service found that students in schools with resources officers might be more likely to be arrested for low-level offenses, but studies also indicated that the officers could deter students from committing assaults or bringing weapons to campus. Critics in some communities also have argued the funding would be better spent on mental health programming and school counselors.

Linguists to choose word of decade

ALFRED LUBRANO
Tribune News Service

One word was used to epitomize the entire 20th century.

Was it “progress?” to mark the march of civilization from buggies to astronauts and the iPhone?

Maybe “upheaval,” to delineate genocides and civic unrest?

No. Try “jazz,” to describe not only music, but the sweep and swing of the quintessential American century, and the cultural flows that invigorated it.

Who gets to decide such weighty, wordy things? The little-known American Dialect Society, or ADS, founded in 1889, and dedicated to the study of the English language in North America.

ADS has been picking a word of the year since 1990, longer than any other entity. Its members selected “jazz” from dozens of possible words in January 2000.

Now fast forward to the first week of 2020, when 300 to 400 of the society's language scholars are expected to meet in New Orleans to determine the word of 2019, as well as the even more consequential word of the decade that ends on New Year's Eve. The word of the previous decade, by the way, was “google,” meaning “to search the internet.”

A fun bunch that's not as tweedy or as uptight as you might think, society folks are known for their passionate, sometimes raucous, conclaves in which culture, politics, art and technology are distilled to their dense essence — a single word or phrase freighted with enough punch and validity to capture the zeitgeist.

“We keep our finger on the pulse of words in America,” said ADS member Dennis Preston, a linguist from Oklahoma State University. “We don't take ourselves too seriously, and we do it with a certain amount of whimsy.”

“But never forget: Human language carries enormous meaning and symbolism.”

Along with the ADS, dictionary publishers also pick words of the year. Recently, Dictionary.com determined that the word of 2019 was “existential,” relating to world events involving climate change, gun violence and changing democratic institutions.

Last month, Oxford Dictionaries selected “climate emergency.”



TAYLOR JONES, TRIBUNE NEWS SERVICE

Travelers make their way through Palm Beach International Airport in Palm Beach, Fla. Starting Jan. 1, an amendment to a global treaty will make it easier for countries to prosecute unruly passengers on international flights.

Crackdown on unruly passengers starts Jan. 1

HUGO MARTIN
Tribune News Service

Passengers who make trouble on international flights beware.

An amendment to a global treaty will soon make it easier for countries to prosecute passengers on international flights who cause disruptions or delays, or threaten the safety of the flight by tussling with other passengers or flight attendants.

Incidents involving unruly passengers had become less frequent but the offenses had become more serious, according to a study by an international airline trade group two years ago. But about 60% of the onboard crimes have gone unpunished, the study found.

The problem stems from a 1963 agreement among 186 countries, known as the Tokyo Convention, that gave jurisdiction over prosecuting an unruly passenger to the nation where the plane is registered. That means that a flyer who gets drunk and belligerent on an American Airlines flight to France can be prosecuted only in the U.S., where American Airlines is registered, not in France, where the plane lands.

Earlier this month, Nigeria joined with 21 other countries to ratify an amendment to the Tokyo Convention, giving the

amendment the necessary support for the change to go into effect Jan. 1. The amendment allows countries where the plane lands to prosecute a troublemaker on an international flight.

“Everybody on board is entitled to enjoy a journey free from abusive or other unacceptable behavior,” Alexandre de Juniac, director general and chief executive of the International Air Transport Association, a trade group for the world's airlines, said in a statement. “But the deterrent to unruly behavior is weak.”

The necessary 22nd nation to ratify the amendment came on Nov. 26 when the secretary general of the International Civil Aviation Organization, Fang Liu, accepted the endorsement of the amendment from Nigeria.

“The protocol addresses the issue of rising incidents of unruly and disruptive behavior on board aircraft by significantly improving the ability of (countries) to expand jurisdiction over relevant offenses and acts to the (countries) of landing and the (country) of the operator,” Liu said in a statement. “The protocol will also serve to enhance global aviation security provisions by expressly extend-

ing legal recognition and protections to in-flight security officers.”

In 2017, there were 8,731 incidents of unruly passengers on flights operated by airlines that are members of IATA, the airline trade group, compared with 9,837 in the previous year. A vast majority of the incidents involve excessive drinking, according to an IATA study.

But the number of serious incidents on planes increased. The cases in which passengers brandished weapons or threatened the lives of passengers or crew members jumped to 279 in 2017 from 66 in 2016, according to IATA.

Extremely serious incidents — defined as a breach of the flight deck, an act of sabotage or a credible threat of seizing the aircraft — rose to 50 in 2017 from 20 in 2016, IATA said.

The cost of diverting a plane due to an unruly passenger can range from \$10,000 to \$200,000, depending on the circumstances, the trade group estimated.

In the U.S., the Federal Aviation Administration said it recorded 90 incidents of unruly passengers in 2017, down from 101 incidents the previous year. In 2000, the agency increased the fine for causing a distur-

bance on a plane from \$1,100 to as much as \$25,000.

“The safety and well-being of every traveler is and will remain the highest priority for U.S. airlines,” said Katherine Estep, a spokeswoman for Airlines for America, a trade group for the biggest air carriers in the U.S. “Our members take these matters seriously, and inappropriate behavior toward crew or passengers is not tolerated.”

A man who was accused of sexually assaulting a seatmate on a 2017 flight from Los Angeles to Panama may have escaped prosecution because of confusion over who has jurisdiction over pursuing crimes on international flights.

The problem of unruly flyers has prompted some airlines to take unusual measures.

In 2016, a passenger began attacking other flyers and flight attendants on a Korean Air flight from Vietnam to South Korea.

In response, Korean Air began to beef up its security measures, including improved training of flight attendants in the use of stun guns. Airlines representatives also said the carrier was considering assigning at least one male flight attendant on each flight to help subdue disorderly flyers.

Reducing suicides in psych wards

SOUMYA KARLAMANGLA
Tribune News Service

LOS ANGELES — Over the last decade, more than 50 people have died by suicide while admitted to psychiatric facilities in California. The figure paints a bleak picture of the options available for people in the midst of a mental health crisis.

So for families whose loved ones are suffering from suicidal thoughts, is there hope? Can hospitals actually stop people from dying by suicide?

The short answer, experts say, is yes.

Suicide rates have risen in nearly every state in America over the last 20 years. Nationwide, suicide is an epidemic, now the second-leading cause of death among people ages 10 to 35.

Psychiatric hospitals are often seen as a last resort for people who are suicidal. But a Los Angeles Times analysis found that over the last decade, nearly 100 people died while admitted to these facilities in California, mostly due to suicide. A study released last year found that nationwide 49 to 65 people die by suicide annually while in the hospital.

But there is wide variation in suicide rates from hospital to hospital, suggesting some places are keeping patients safer than others. One of the high-performing systems, the Department of Veterans Affairs, offers some clues as to what might work.

In 2007, VA hospitals nationwide adopted a 134-question checklist designed to reduce suicide risks for patients.

Staff members must ensure that pillows and mattresses are free of vinyl or plastic, which could be used for strangulation; that there are no privacy curtains, which can be used for hanging; that all exits and entrances to the building are within the line of sight of the nurses' station, so patients are easily monitored.

Since the checklist was implemented, suicides in mental health units have decreased dramatically. The suicide rate fell from 4.2 suicides per 100,000 admissions to 0.74 suicides per 100,000 admissions, according to a 2016 paper.

And it has stayed down, researchers found.

"The trend suggests that the rate of suicide continues to decline since implementation of the checklist," the paper found.

But outside the VA system, there's been little progress, experts say.

The Joint Commission, a non-profit that accredits most of the nation's psychiatric hospitals, has been trying to reduce suicide rates nationwide for the last decade, to no avail,, said Dr. David Baker, the agency's executive vice president for health care quality evaluation.

Part of the problem is that reliable data weren't available on the number of suicides in hospitals and how they were taking place. The agency commissioned a study that found that among the roughly 50 suicides per year in hospitals nationwide, 70% were via hanging. Half were in the bathroom and a third in the bedroom, the study found.

In response to the findings, an expert panel made recommendations on how to limit these deaths, including the best way to monitor suicidal patients.

At many hospitals, patients deemed suicidal are put on 15-minute watch, but that isn't very effective because it doesn't take long to complete suicide, experts say.

"It's certainly not the best way to monitor for suicidal ideation," said Dr. Tyler Jones, clinical associate psychiatry professor at Oregon Health and Science University. "The opportunity can happen pretty quickly."

The better, though more resource-intensive, option is one-to-one observation, in which a staff member is within arm's-reach of a patient at all times.

This year, the Joint Commission released new national standards effective July 1 aimed at reducing suicide rates. The requirements mandate widespread suicide screening among psychiatric patients as well as minimizing any anchor points, door hinges or hooks that can be used for hanging.



ELIZABETH ROBERTSON, TRIBUNE NEWS SERVICE

University of Delaware senior Elizabeth De Bruin helps 11-year-old Jayden Niblett of Seaford, Del., explore the feel of different fabric swatches. Niblett was participating in the Down Syndrome Research Party on Oct. 27 at the Innovation Health and Design Lab at the University of Delaware in Newark, Del.

Making clothes for kids with Down syndrome

ELLIE RUSHING
Tribune News Service

When Jayden Niblett wakes up each morning, his mind races to remember what he is doing that day, and what he can wear to impress his friends.

The last often leads to annoyance. Jayden, 11, who has Down syndrome, struggles to find clothes that fit his unique body type and are accommodating of his motor deficits, an issue that people with physical disabilities face every day in a world where fashion is built on single-size body standards.

"It's really frustrating for him," said Janet Littleton, Jayden's grandmother. "It absolutely affects his mood and how his whole day is going to go."

People with Down syndrome have shorter limbs, rounder bodies, and common sensitivities to tags and fabrics, which make it difficult to find everyday clothes, like jeans, that fit and feel good. Jayden would often wear women's capri pants because they fit his waist and shorter legs. But as he has grown into a more muscular body, capris are no longer working.

Now, though, Jayden and his grandmother are working on a solution: They're participating in a research study at the University of Delaware's Innovation, Health and Design Lab to generate the country's first size guide for people with Down syndrome. The lab's mission is to provide a

whole community with access to outfits that help them function with more independence and confidence.

At the end of the study, Jayden and the nearly 1,000 other participating children with Down syndrome will receive a free custom-made pair of jeans that accommodate their size and limited motor functions.

The lab, which opened in September 2018, is powered by the vision and leadership of Martha Hall, a fashion designer turned biomechanical engineer. Hall, who was born in Newark, Delaware, earned her undergraduate and master's degrees from UD and then a Ph.D. in biomechanics from the school in 2018. She started her career designing cocktail dresses, but once she saw the work UD professor Cole Galloway was doing for children with motor deficits, she dedicated her work to improving minority populations' quality of life through functional clothing.

"People think of fashion as a sort of fluffy science," said Hall. "But I've always encouraged people to consider fashion as being all about self-advocacy and self-expression."

The lab started with two students working on four projects, and now has 34 students, and a wait list, with 22 projects that address everything from inclusive apparel and athletic wear to medical devices that can in-

crease the survival chances of premature babies. Its work centers on improving quality of life through clothing, and has been so successful that by next fall, Hall plans to launch health design as a major at the university, the first program of its kind in the country.

Some brands have tried to make accessible, sensory sensitive clothing lines, but they're not using accurate size guides, said Hall.

"There's not a lot of evidence for the design decisions that (some brands) are making," said Hall. "It's great that there are designers interested in serving the population, but you have to talk to the community and understand what the actual issue is ... in order to design something that actually suits them."

That's where Hall's student researchers come in. With the Down syndrome size guide and jean project, Kiersten McCormack interviews caregivers to learn their child's specific needs. Senior Elizabeth deBruin built an "obstacle course" for kids to pick out fabrics, designs, and colors for their jeans. Sydney Solem, a senior majoring in medical diagnostics, manages the body scanner. Together, the group focuses on fashion, function, fit, fasteners and fabric.

To generate the size chart, the lab uses a three-dimensional scanner that scans participants' bodies and creates a 3D-colored

avatar with exact measurements of their size and shape. Once all participants are scanned, the company that created the machine, Human Solutions, will take the measurements, create a size guide, and sell the guide to companies, which will be able to design clothing based on accurate measurements for this population of people.

While learning to dress themselves independently is a key rite of passage for children, for those with disabilities who need help, it can become one more thing that makes them feel different from their peers.

Such is the case for Gail Hamblin, whose 7-year-old son Calvin has Down syndrome, autism, and multiple muscular, bone, and nutritional deficiencies. He needs tagless and seamless onesies that accommodate his small body frame and gastrointestinal tubes.

"I would like him to not even notice that he's wearing clothes," Hamblin said.

With the help of Hall and her students, Hamblin's hope for Calvin may become a reality for him and for thousands of others like him.

Including Jayden Niblett. "He doesn't want to be reliant on other people" to help him dress. "He wants to be self-reliant," said Littleton, Jayden's grandmother. "And he's excited to look good in what's he's wearing."

STUDY

'Time-restricted eating' shows promise

MELISSA HEALY
Tribune News Service

What if a clock did a better job than a scale at promoting weight loss, improving sleep and preventing diabetes? New research suggests it's about time to consider that possibility.

In an early effort to explore the benefits of daily fasting in humans, researchers have found that people who are at high risk of developing diabetes improved their health in myriad ways when they ate all of their meals over a span of just over 10 hours, then fasted for the remainder of their 24-hour day.

The regimen, called "time-restricted eating," is a variant of "intermittent fasting" — a practice growing in popularity. To lose weight or improve health, those fasting intermittently don't eat — or follow a spartan diet that mimics fasting — for a day or more every week or month.

Time-restricted eating, by contrast, limits a person to consuming all of his or her daily calories in a relatively narrow window — say, from 8 a.m. to 6 p.m. Practiced daily, time-restricted eating widens the period during which the body's major visceral organs are put into a state of rest and recovery.

Ample research has shown that

erratic eating patterns, shift-work, and modern-day habits like get-up-and-go breakfasts and midnight snacks have contributed to obesity, diabetes and heart disease. Satchidananda Panda, a biologist at the Salk Institute in La Jolla, California, said that by establishing a consistent daily cycle of feeding and fasting, one might realign the ebb and flow of fuel intake with the body's natural circadian rhythms.

"Every cell, every organ has its clock, and every organ needs downtime to repair, reset and regain its rhythm," Panda said.

"When all your organs have rested and rejuvenated every day, they just work well," he added. "It's almost like an orchestra: when all the musical instruments are in tune, and work well together, it's a melody, not a cacophony of sounds."

For the new research, Panda and his colleagues measured what happened when 19 people were asked to do all of their eating during a 10-hour window every day for 12 weeks. The participants were allowed to choose their own 10-hour window, and could vary it slightly, say, if they had an early breakfast meeting one day or a late dinner on another.

All of the study's subjects had

a condition known as metabolic syndrome. Sometimes called "pre-diabetes," metabolic syndrome makes a person five times more likely to develop Type 2 diabetes, and it doubles her risk of developing cardiovascular disease within five years. The condition is diagnosed when a patient tests positive for three or more of the following conditions: obesity, high blood pressure, problematic cholesterol, impaired metabolic function and excessive waist circumference (an indicator of abdominal fat).

Three in 10 Americans are thought to have metabolic syndrome. To ward it off, doctors have little to offer beyond exercising more, eating less and losing weight. But patients often ignore or abandon that medical advice and go on to develop full-blown Type 2 diabetes.

In the pilot study, the participants limited their "eating day" to under 11 hours for 12 weeks. They reduced their calorie intake by almost 9%, lost an average of 3% of their body weight, and reported more restful sleep — all improvements that could aid in disrupting a patient's progression from metabolic syndrome to diabetes.

As a group, participants reduced their belly fat — a bellwether of future heart disease

risk — by 3%.

Drilling down on the physiological effects of a daily 14-hour fast, researchers also found a wide range of subtler improvements among the 19 subjects.

The group's blood pressure, typically high in those with pre-diabetes, fell. Their cholesterol readings, typically worrisome in this population, improved. And in the 12 participants whose metabolic function had already veered into abnormal territory, three months of time-restricted eating appeared to bring about improvements in two key health measures: fasting glucose and hemoglobin A1c.

These changes came about without any increase in participants' physical activity. And improvements didn't rise or fall with changes in weight. Time-restricted eating did induce weight loss, which typically improves many bodily functions. But it appeared to bring key changes in direct ways, rather than just by helping subjects slim down.

In several cases, participants were able to discontinue or take smaller doses of medications, such as cholesterol-lowering statins or hypertension drugs.

The results were published recently in the journal *Cell Metabolism*.



BETTINA HANSEN, TRIBUNE NEWS SERVICE

Emergency crews respond after an Amtrak train derailed and fell off of a bridge and onto Interstate 5 on Dec. 18, 2017, near Mounts Road between Lakewood and Olympia, Wash.

Train safety technology still needs development

JESSICA WEHRMAN
Tribune News Service

WASHINGTON — After years of delays, a railroad safety system that federal regulators say could have prevented 300 deaths since 1969 is finally close to full implementation — but large gaps remain, with commuter railroads using the system on fewer than half of the tracks required by December 2020.

Overall, the news for supporters of the so-called positive train control system is promising — 92% of the 58,000 track miles required to implement the safety system have it installed, according to the Federal Railroad Administration, which is overseeing compliance with the law.

But while Amtrak is using positive train control on 99.8% of its track miles and Class 1 freight railroads — which account for 53,718 of the track miles covered under the statute — are operating the system on 95.4% of their tracks, commuter railroads and miscellaneous railroads have a way to go.

As of September, just 41.9% of the 3,129 track miles used by commuter railroads and 22.8% of the 108 track miles used by other host railroads under the statute had adopted the technology.

Decades before automated vehicles and drones captured

the imagination of the traveling public and transportation companies, positive train control — a system that uses GPS, cellular technology, and radio waves to create what is essentially a backstop for train engineers — aimed to eliminate human error from the railway system.

The system can, for example, slow a train exceeding the speed limit, prevent two trains from colliding or keep trains from going down the wrong track if a switch is in the wrong position.

While it does not eliminate all railway accidents the positive train control system “certainly eliminates much of the human error-type issues that have been a problem in the past,” said David J. Carol, chief operating officer for the American Public Transportation Association.

Since 2016 the Federal Railroad Administration's Office of Safety Analysis reported 2,610 railroad accidents in which human factors were a cause. In all, there were 6,849 accidents on railroads during that period.

Carol, whose organization represents many of the commuter railroads still implementing the systems, said that those lines have often had to wait to implement positive train control until after the freight and short-line railroads that they travel along have implemented

the technology.

Others see another headwind. Allan Zarembski, director of the University of Delaware's Railroad Engineering and Safety Program, said the slower implementation has more to do with cost: While freight railroads are generally lucrative businesses, commuter railroads “are the ones that are broke. They have no money” to implement the systems.

The federal government in recent years has tried to help, administering more than \$2.5 billion to rail operators — not just commuter lines — for positive train control through grants and loans.

Still, Carol said he's confident the commuter railroads will meet the deadline.

“I'm pleased with their progress,” he said, saying the vast majority of commuter railroads were testing the technology. “They're basically finding the funds to do this.”

The technology, he said, “is not replacing the locomotive engineer, but it's making sure the train itself can address safety issues if and when it needs to address them.”

The National Transportation Safety Board began calling for the system as a top priority in 1990. But Congress didn't mandate its implementation until it

passed the 2008 Rail Safety Improvement Act in the aftermath of a deadly collision between a commuter and freight train in Los Angeles that killed 25 people.

Congress originally set a Dec. 31, 2015, deadline to implement the technology. But an initially resistant railroad industry, which was largely forced to pay for the costly system, and the technical complexities of installing an interoperable and highly sophisticated new technology, slowed the implementation.

The deadline was first pushed to 2018, then to 2020.

Meanwhile, the fatalities continued: Three people died in a December 2017 crash south of Tacoma, Wash.; a May 2015 crash in Philadelphia killed eight; a February 2018 crash in South Carolina killed two.

In all three cases, the NTSB said positive train control could have helped prevent the crashes.

Even after years of delay, Russell Quimby, a former NTSB investigator, said he doubts all 58,000 miles will be compliant by the end of next year. The problem, he said, isn't just installing the technology. It's getting people trained as well as making the technology interoperable throughout a spider web of multiple railroads and companies.

Scientists try to cut carbon footprints

SETH BORENSTEIN
Associated Press

For years, Kim Cobb was the Indiana Jones of climate science. The Georgia Tech professor flew to the caves of Borneo to study ancient and current climate conditions. She jetted to a remote South Pacific island to see the effects of warming on coral.

Add to that flights to Paris, Rome, Vancouver and elsewhere. All told, in the last three years, she's flown 29 times to study, meet or talk about global warming.

Then Cobb thought about how much her personal actions were contributing to the climate crisis, so she created a spreadsheet. She found that those flights added more than 73,000 pounds of heat-trapping carbon to the air.

Now she is about to ground herself, and she is not alone. Some climate scientists and activists are limiting their flying, their consumption of meat and their overall carbon footprints to avoid adding to the global warming they study. Cobb will fly just once next year, to attend a massive international science meeting in Chile.

“People want to be part of the solution,” she said. “Especially when they spent their whole lives with their noses stuck up against” data showing the problem.

The issue divides climate scientists and activists and plays out on social media. Texas Tech's Katharine Hayhoe, an atmospheric scientist who flies once a month, often to talk to climate doubters in the evangelical Christian movement, was blasted on Twitter because she keeps flying.

Hayhoe and other still-flying scientists note that aviation is only 3% of global carbon emissions.

Jonathan Foley, executive director of the climate solutions think-tank Project Drawdown, limits his airline trips but will not stop flying because, he says, he must meet with donors to keep his organization alive. He calls flight shaming “the climate movement eating its own.”

Over the past couple of weeks, climate scientists and environmental advocates have been flying across the globe. Some jetted to Madrid for United Nations climate negotiations. Others, including Cobb, were off to San Francisco for a major earth sciences conference, her last for a while.

“I feel real torn about that,” said Indiana University's Shahzeen Attari, who studies human behavior and climate change. She calls Cobb an important climate communicator. “I don't want to clip her wings.”

But Cobb and Hayhoe are judged by their audiences on how much energy they use themselves, Attari said.

Attari's research shows that audiences are turned off by scientists who use lots of energy at home. Listeners are more likely to respond to experts who use less electricity.

“It's like having an overweight doctor giving you dieting advice,” Attari said. She found that scientists who fly to give talks bother people less.

In science, flying is “deeply embedded in how we do academic work,” said Steven Allen, a management researcher at the University of Sheffield, who recently organized a symposium aimed at reducing flying in academia. He said the conference went well, with 60 people participating remotely from 12 countries.

Pennsylvania State University's Michael Mann, who flies but less than he used to, said moderation is key.

“I don't tell people they need to become childless, off-the-grid hermits. And I'm not one myself,” Mann said in an email. “I do tell people that individual action is PART of the solution, and that there are many things we can do in our everyday lives that save us money, make us healthier, make us feel better about ourselves AND decrease our environmental footprint. Why wouldn't we do those things?”

Mann said he gets his electricity from renewables, drives a hybrid vehicle, doesn't eat meat and has one child.

Tech could keep produce from going bad

ALEXIA ELEJALDE-RUIZ
Tribune News Service

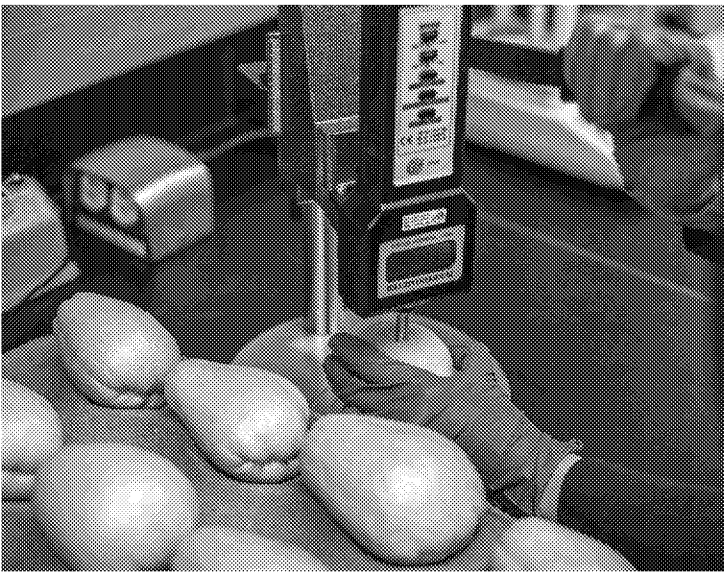
Imagine bananas that never go bad. To Aidan Mouat, CEO of Chicago-based Hazel Technologies, it's not so far-fetched.

His company makes a product that extends the shelf life of all sorts of produce — avocados, cherries, pears, broccoli — by slowing the chemical process that causes decay. Some of the world's largest growers are using it to send their produce longer distances or reduce how much retailers throw away, and Mouat says a consumer version could be next.

“I envision, in the next 18 months or so, literally selling a banana box to consumers,” Mouat said from Hazel's growing office space at University Technology Park, a startup innovation hub on the Illinois Institute of Technology campus. “You keep it on your counter, put a (Hazel) sachet in there once a month, and you have bananas that last forever.”

Hazel Technologies is part of a new wave of innovation seeking to slow spoilage of produce and other perishables, which experts say is a key weapon in the battle against massive food waste in the U.S.

As much as 40% of food produced annually in the U.S., and nearly half of produce, goes uneaten, according to government estimates. While the waste happens throughout the supply chain, the vast majority of the \$218 billion worth of uneaten food annually gets tossed at home or at grocery stores and restaurants, according to ReFED, a Berkeley, California-based



CAMILLE FINE, TRIBUNE NEWS SERVICE

Scientist Fang Tham measures the force needed to puncture a chayote with a penetrometer Nov. 15 at Hazel Technologies in Chicago's Bronzeville neighborhood.

nonprofit that seeks solutions to reduce food waste.

The average American family throws away 25% of groceries purchased, costing a family of four an estimated \$1,600 annually, ReFED said. U.S. supermarkets lose \$15 billion annually in unsold fruits and vegetables, according to the U.S. Department of Agriculture. Meanwhile, uneaten food is the No. 1 component of landfills and squanders the water and energy used to grow and transport it.

Routing unused food to charities can help keep it out of the garbage, but solutions to prevent waste at the source, such as by extending its shelf life, “have some of the greatest economic value per ton and net environmental benefit,” said Alexandra

Coari, director of capital and innovation at ReFED.

Spoilage prevention packaging has the potential to divert 72,000 tons of waste and 330,000 tons of greenhouse gas emissions, plus save 44 billion gallons of water a year, she said.

Technology that extends shelf life has been around for a long time, but there has recently been a “huge uptick” in innovations that expand the options, helping to drive the \$185 million in venture capital invested in combating food waste last year, Coari said.

Hazel, founded in 2015 by a group of Northwestern University graduate students, has raised \$18 million so far, including nearly \$1 million in grants from the USDA. It has 100 clients in

12 countries in North and South America.

The company makes small sachets, the size of a salt or pepper packet included with a takeout order, that can be thrown into a box of produce to shut down the food's response to ethylene, a chemical naturally emitted by many fruits and vegetables that triggers the loss of firmness, texture and color. The sachets continuously emit a small amount of an ethylene inhibitor, changing the atmosphere in the storage box but not the food itself.

While ethylene management technology isn't new, Hazel's sachets are gaining fans because they are easy to use, whether in okra fields in Honduras or avocado packing houses in the U.S., Mouat said. The company also is working on anti-microbial reactions and will soon bring to market anti-microbial liners for packages of berries, to ward off the white fuzz.

“We can extend the shelf life of practically any perishable by targeting the specific mechanism that causes it to go bad and integrating it with the packaging that already exists today,” said Mouat, who graduated from Northwestern with a doctorate in chemistry in 2016.

How much Hazel can extend the shelf life depends on the type of food. For example, tests show an unripened pear gets an extra seven to 10 days after being treated with a Hazel sachet, plus an extra three to four days once ripe, Mouat said. Testing on packaged chicken, beef, fish and pork suggests the sell-by date could be pushed back by four to six days, he said.

SURVEY

In-flight services key for travelers

Perks outweigh ticket prices for passengers

RICH THOMASELLI
Tribune News Service

In-flight services, not ticket prices, are the driving forces that power passenger satisfaction on international flights, the J.D. Power 2019 Airline International Destination Satisfaction Study found.

The findings were released earlier this month and show that cost and fees were notably less important than in-flight services.

“A low fare may be the best way to attract a first-time international passenger, but retaining passengers on routes to Europe and Asia is all about delighting customers with great in-flight experiences,” Michael Taylor, travel intelligence lead at J.D. Power, said in a statement.

“One of the most powerful ways to do that is with food and beverage offerings that are unique to the airline’s culture and that manage to deliver flavor at altitude ...”

The survey measured passenger satisfaction with airline carriers flying from North America to Europe and from North America to Asia. It is based on performance in nine factors (in order of average importance across both models): in-flight services; cost and fees; aircraft; flight crew; check-in; boarding; immigration; baggage; and reservation.

Among carriers flying from North America to Europe, Turkish Airlines ranks highest in passenger satisfaction with a score of 833. Virgin Atlantic (829) ranks second, while British Airways and Delta Air Lines (815) rank third in a tie.

Among carriers flying from North America to Asia, Japan Airlines ranks highest in passenger satisfaction with a score of 869. Delta Air Lines (861) ranks second and Korean Air (854) ranks third.

Median homebuying age hits 47

FELICE MARANZ
Tribune News Service

NEW YORK — The vision underpinning the American dream — of fresh-faced young people buying a first home with a white-picket fence — hasn’t held up well.

It turns out that the median age of the U.S. homebuyer is now 47, compared with 31 in 1981, Deutsche Bank chief economist Torsten Slok wrote in a note.

“This is driven by an aging population, affordability, higher student debt levels, and tighter mortgage lending standards for young people and individuals with lower credit scores,” Slok said. Those forces have contributed to lower levels of residential mobility, he added.

Slok flagged an eight-year gain in the median home-buyer age since the financial crisis. The median age hasn’t been below 40 since then, when it was 39.

Among publicly traded homebuilders, Toll Brothers Inc. has the “most exposure to the move-up luxury market — which tend to be older more well-heeled buyers,” Bloomberg Intelligence’s Drew Reading said.

Reading called the move-up segment a “comparatively weaker part of the market” as builders shift away from it. Demand drivers going forward are more important, he added. That will come from “the younger cohort.”

Toll Brothers shares have gained 21% so far this year versus a 56% rally for the S&P Supercomposite Homebuilding Index and a 24% rise for the S&P 500.

GIFT GIVING



JOHN J. KIM, TRIBUNE NEWS SERVICE

Clockwise from left, guests Tarra Bathurst, Brittany Georgiou and Sarah Schlichte clink their wine glasses during a dinner instruction course titled “Steakhouse DIY” Dec. 5 at the Chopping Block in Chicago.

For some, experiences wanted more than stuff

LAUREN ZUMBACH
Tribune News Service

CHICAGO — Bridget Anderson likes to be creative when picking out holiday presents for friends and family. But finding the perfect gift for her mom was an annual struggle.

“She’s not super materialistic,” said Anderson, 26, of Chicago. “She would ask for practical things, like socks.”

Three years ago, she and her sister got their mom tickets to the musical version of Disney’s “Aladdin.” The gift of a family night out for dinner and a show has been their tradition ever since. This holiday season, she’s also forgoing tangible gifts for her dad, who will get concert tickets. And instead of exchanging gifts with her boyfriend, they’ll take a trip in January to Mexico.

“It’s a nice Christmas gift to get to spend time together, and not just give meaningless stuff,” she said.

The holidays have always been important for retailers selling staple gifts like sweaters and toys. But a growing share of consumers are considering swapping stuff for gifts that let recipients explore a new hobby or enjoy a night on the town. Businesses from cooking schools to theaters say they’re benefiting from interest in gifts of experiences, despite risks of giving presents that can be

tough to return, not to mention challenging to wrap.

Half of consumers surveyed on their 2019 holiday shopping said they prefer experiences to tangible gifts, a trend that has been “up across the board” in recent years, said Diana Smith, associate director at market research firm Mintel, which conducted the survey.

Activities like dining out, traveling and entertainment are among the most common ways consumers say they’re spending discretionary money, she said. When Mintel asked consumers about their goals, one of the most popular answers was trying new things.

“There’s just a different mindset among consumers around how they’re living their lives,” Smith said.

Businesses from cooking schools to cultural institutions say that mindset change brings a boom in gift sales during the holidays.

December gift card sales at the Goodman Theatre in Chicago have grown 28% over the last five years, said marketing director Jay Corsi, though he attributes some of the growth to a promotion in recent years giving anyone buying a \$100 gift card between Black Friday and Christmas an extra \$20.

At Chicago Photography School, sales of gift certificates grew about 10% during last

year’s holiday season compared with 2017, and could see similar growth this year, partner Nick Sinnott said. About 80% of all gift certificates sold are bought in November and December.

“We get a call or email at least every other day, if not once a day, from Thanksgiving through Christmas and Hanukkah,” Sinnott said.

Despite the boost it gives the bottom line, the holiday rush can be a challenge if recipients all try to use their gifts soon after celebrating.

January and February cooking classes at The Chopping Block are “crazy full,” said marketing manager Andrea Miller. “Gift cards are burning holes in people’s pockets.”

Nearly 60% of all gift cards sold at The Chopping Block’s locations Chicago’s North Side are purchased between October and December, she said. Classes often run between \$60 and \$100, though all-day and multi-day “boot camps” cost more.

Some gift-givers turn to experiences because they want to avoid buying stuff that might be quickly forgotten. But they’re also popular with last-minute shoppers because gift certificates for experiences often can be purchased online and printed immediately.

At Aloft Circus Arts, which teaches trapeze-flying and tight-rope walking, people tend to buy

gift classes in November or the week of Christmas, said Christine Conroy, manager of education programming.

“You’re either a planner, or you’re really last minute. There’s not a lot in the middle,” Conroy said.

Still, don’t expect a package-free holiday season anytime soon. Tangible items are still more common purchases.

“There’s a risk they might not like it or really use it. It might be easier or safer to get a tangible gift that can be easily returned,” said Mintel’s Smith.

But there is a risk the recipient simply won’t redeem an I.O.U. for an experience. People who want to give a show at the Chicago Magic Lounge in Ravenswood for the holidays tend to purchase gift certificates, which don’t require committing to a date, while those buying for a birthday or anniversary more often purchase tickets to a specific show and plan a night out with the recipient, said marketing director Cynthia Ferkol.

According to a 2018 survey by Consumer Reports, nearly 20% of Americans own three or more unused gift cards. Consumers with cards they hadn’t spent said they had \$50 on average left on their cards, though it wasn’t clear how long they had gone unredeemed, said Consumer Reports communications director Barrie Rosen.

STUDY

Riskier to work in retail than on factory floors

KATIA DMITRIEVA
Tribune News Service

WASHINGTON — The holiday shopping season, and the extended hours that come with it, are taking a toll on America’s retail workers.

Employees at shopping malls and other outlets in 2018 were more likely to get sick or injured than the prior year, making it the only U.S. industry with a meaningful uptick. The increase means retail-store workers are now worse off than those working in the manufacturing sector. According to the Bureau of Labor Statistics, 3.5 of every 100 retail workers suffered from illness or injury last year, up from 3.3 in 2017 and compared with 3.4 in manufacturing.

The uptick in non-fatal injuries, from sprains and tears to general soreness and overexertion, comes amid forecasts for a record holiday-shopping season.



TRIBUNE NEWS SERVICE

The holiday shopping season, and the extended hours that come with it, are taking a toll on America’s retail workers. Employees at shopping malls and other outlets and retail stores in 2018 were more likely to get sick or injured than the prior year, making it the only U.S. industry with a meaningful uptick.

It could also mean higher costs for companies if employees require time off or are successful in

an injury claim.

Some of the riskiest stores to work in include those selling

home furnishings, used merchandise, and building materials, as well as tire dealers and super centers — injuries and illness at each of these also increased in 2018 from the prior year. The most precarious are pet supply stores — where about seven in 100 employees experience non-fatal injuries, according to the data.

The top reported issues by retail workers are sprains and strains, though those declined from 2017, while there were increases in general soreness and pain, contusions, lacerations and fractures.

Overall, other industries continue to top the list. Those in the farming community have the highest incidence of illness and injury at about five per 100 people, followed by transportation and warehousing, which includes logistics and delivery centers for online retailers.

Cannabis stocks' skid could go into 2020

ALEX VEIGA
Associated Press

LOS ANGELES — When it comes to investing in cannabis stocks, the marijuana bud's faded bloom has shown few signs of returning this year.

Cannabis stocks have had a harsh comedown as investors' enthusiasm about the prospects for strong growth and blockbuster company mergers has dimmed.

The ETFMG Alternative Harvest exchange-traded fund, which focuses on cannabis stocks, is down about 30% this year and off about 40% from a year ago. Shares in some of the biggest marijuana companies, including Tilary, MedMen Enterprises and Aurora Cannabis, have fallen much further.

At the same time, the broader stock market is on track for strong gains. The S&P 500 index is up more than 24% this year and about 15% above where it stood 12 months ago.

Several factors have combined this year to weigh down cannabis stocks.

In Canada, which legalized marijuana in October of 2018, sales have been stymied by government limits on the type of products with cannabis that retailers can sell. In addition, some provinces have been slower than others to allow the opening of marijuana stores. And the cheaper black market for marijuana also has siphoned sales from the licensed retailers.

"The big issue there has been an issue of oversupply," said Canaccord Genuity analyst Bobby Burleson. "This last earnings season you saw companies struggling from excess supply and shortfalls in demand."

Canada lifted its limitations on the types of cannabis products that companies can sell in October. Companies are expected to begin selling marijuana-infused food, beverages and other products that had been previously prohibited as early as this month. If there's a meaningful increase in sales, that could help push stocks higher.

Demand hasn't been an issue for companies that sell marijuana products in U.S. states where cannabis is legal in some form. What's been weighing on stocks is a stalled wave of big company mergers that many investors were banking on to drive shares higher.

The Department of Justice is still reviewing several proposed deals that were announced late last year and early this year for possible antitrust concerns.

Two companies involved in one of those mergers said last month that they had entered a 30-day waiting period after complying with a request for more information on the deal from the Department of Justice. That raised the possibility that regulators could be close to wrapping up their review of the all-stock deal, which was valued at the time of the announcement in April at \$850 million.

The uncertain fate of that and other proposed mergers has put a chill on more deals this year.

In October, Los Angeles-based MedMen Enterprises backed out of its attempt to buy PharmaCann, a Chicago-based marijuana company. At the time, MedMen noted that the pullback in U.S. and Canadian cannabis stocks, which makes it tougher for public companies to raise money from stock sales, made it increasingly critical to allocate capital efficiently.

"A lack of access to capital has been a main issue this year in the U.S.," Burleson said. "When we get some sizable deals closing, that will be a positive catalyst for the U.S. players."

Government regulations remain hurdles for companies in the business of growing, distributing or selling cannabis.

A U.S. House committee approved a proposal to decriminalize and tax marijuana at the federal level last month. The news only gave pot stocks a momentary bump. It's unclear whether the measure will be taken up in the GOP-controlled Senate.

Vaping-related deaths and illnesses have also hurt cannabis stocks, though recent data suggest the scare dampened sales mainly in California, where vaping products make up a larger share of overall sales.

Researcher developing new weapon in drug war

JOHN KEILMAN
Tribune News Service

CHICAGO — An opioid overdose can be a lonely death. People who use drugs often do so in private, and should they get a dose stronger than they can tolerate, no one will be there to save them with the overdose-reversing medication naloxone.

But now, a researcher at Northwestern University is developing a technological fix to that lethal conundrum.

John Rogers, director of the school's Center for Bio-Integrated Electronics, has helped to devise a gadget the size of a flash drive that can be implanted under the skin. If a sensor detects that a person's blood-oxygen level has dropped to a dangerous level, it automatically releases a stored dose of naloxone.

"It's a fully autonomous sys-

tem, almost like an implantable emergency response system, providing a first responder's type of functionality but without human intervention," Rogers said.

The idea has won a \$10 million grant from the National Institutes of Health's Helping to End Addiction Long-Term Initiative, which aims to find scientific solutions to the opioid crisis. Animal testing is scheduled to begin in 2020, and clinical trials in humans could come within five years.

Rogers and a colleague, Robert Gereau of the Washington University Pain Center in St. Louis, have collaborated on numerous gadgets designed to monitor bodily processes and intervene when necessary. They include devices that electrically stimulate nerves, release chemicals into the brain and tame overactive bladders.

Attacking opioid overdoses was a natural extension of that work, Gereau said. Though numerous outreach efforts have put naloxone into the hands of drug users and their loved ones, Gereau said that approach has an obvious limitation.

"If someone's alone and has an overdose, even if they have (naloxone) in their house, it's not going to help them if there's no one there to administer it," he said.

Opioid overdoses depress breathing and cause unconsciousness, so the device Rogers and Gereau developed works automatically. Implanted beneath the skin, possibly in the small of the back, it will use sensors to monitor blood oxygen levels.

If three straight readings come in below a preset threshold, an electrically triggered chemical reaction releases a dose of nal-

oxone (each device will contain four). The device will also be tethered to a patient's cellphone; a signal transmitted via Bluetooth will have the phone notify 911 that help is needed.

Rogers said the main clientele he envisions using the device are those leaving incarceration or drug treatment.

"The problem there is that before they are pulled off opioids, their bodies have developed a certain tolerance," he said. "That tolerance fades when they're off of opioids, so when they come back out, if they try to take opioids again, they can very easily receive an accidental overdose."

Some drug treatment and harm reduction experts applauded the innovation behind the device, but suggested complications could arise in the real world.



ERIN HOOLEY, TRIBUNE NEWS SERVICE

With her parents, Matt and Megan Lassman, at left, 14-year-old Penelope Lassman, right, who has cerebral palsy, uses her iPad during a visit with cannabis specialist Farah Zala, center, Nov. 11 at Innovative Wellness in Chicago.

Medical marijuana on the rise in Illinois

LISA SCHENCKER
Tribune News Service

CHICAGO — The doctor's appointment started like any other.

Dr. Rahul Khare asked his patient, a 44-year-old woman from Chicago's North Side, if she was feeling fully recovered from a recent virus. He asked if she'd gotten her flu shot. Then the appointment veered into more unusual territory.

"Now, let's talk about medical cannabis," the Lincoln Park doctor said.

The patient, who is certified to take medical cannabis for fibromyalgia, said it had alleviated her chronic pain, helped her sleep and improved her mood, but the THC was making her feel "glazed" during the day. After listening to her breathing, Khare brought in the clinic's medical marijuana consultant to discuss what type of cannabis product might work better.

Khare is one of at least a handful of Chicago-area doctors who have made medical cannabis a focus of their primary care practices — even as some physicians remain wary of its use. He and others say it's the future of primary care, and they expect to see more doctors recommend it, especially as the legalization of recreational pot Jan. 1 lessens the stigma surrounding cannabis.

Medical marijuana has been available in Illinois since 2015. To get it, patients must have a doctor sign a certification that they have a qualifying condition, and patients can then get a card to buy cannabis at dispensaries. To certify patients, a doctor must have a physician-patient relationship with them, assess their medical history and have conducted a recent in-person exam.

Qualifying conditions include dozens of maladies, from autism to rheumatoid arthritis to migraines. The Illinois Department of Public Health has approved nearly 91,000 patients for medical cannabis use since the program started.

More than 4,500 Illinois doctors certified patients for medical marijuana between July 1, 2018, and June 30, 2019, the health department said.

Some doctors are making it clear that they don't want to just certify patients in need of pot; they want to be those patients' first call when they're sick or in need of medical advice.

"The patient comes in for the medical (marijuana) card and then ends up staying," said Dr. Mauricio Consalter, a primary care doctor at Medici Health Care in Chicago's Wicker Park and Andersonville neighborhoods.

Consalter has been practicing at Medici for four years. His practice does not take health insurance, instead charging a flat fee for patients who receive certification. Marijuana use is still illegal at the federal level, and health insurance does not cover medical cannabis, meaning patients must pay out-of-pocket to buy it from dispensaries.

"It's going to be part of any family primary care practice in the future," Consalter said.

Khare, a former hospital emergency room doctor, began offering cannabis-focused primary care as part of his Innovative Wellness practice about two months ago. He also has an urgent care facility and an office that's been certifying patients for medical marijuana for about four years. He said his practice

has certified about 10,000 patients.

Some have criticized doctors who certify large numbers of patients for medical marijuana, worrying that, for some, it may be little more than a money-making vehicle.

The state health department has sent requests for patient records to some doctors who have submitted suspicious physician certifications, spokeswoman Melaney Arnold said. The department has referred one doctor to the Illinois Department of Financial and Professional Regulation for inappropriately certifying patients, she said.

Khare said he's never had a problem with the state. He said he fills a need for patients with valid health problems.

"We've gotten a lot of patients who, lo and behold, use cannabis medically but because it was illegal (federally), they didn't feel like they could tell their doctor," Khare said. "People love it that they can come up to our doctors and say, 'Hey, we use cannabis, can you help me with it?'"

Khare's Lincoln Park office has an eastern feel to it, with small decorative elephants lining shelves and Indian artwork hanging from walls. The decorations reflect the practice's focus on wellness, rather than just traditional western medicine, Khare said.

His office also sells cannabidiol, known as CBD, that patients can mix with medical cannabis as part of their treatment. CBD is legal and widely available. An in-office consultant meets with patients to suggest cannabis strains and dosages at area dispensaries that might work best and walk them through the

process of how to use it.

Khare accepts health insurance, billing insurers for doctor visits and related services just as any other physician would, even though the cannabis products themselves aren't covered.

Still, some physicians remain cautious about working with marijuana, and some question the doctors that are heavily involved in recommending its use.

The American Medical Association opposes the legalization of medical marijuana by states, saying in a policy statement that "scientifically valid and well-controlled clinical trials conducted under federal investigational new drug applications" are needed to assess the safety and effectiveness of all new drugs, including marijuana.

Thirty-two states and the District of Columbia have legalized medical marijuana. Illinois will become the 12th state to legalize recreational marijuana Jan. 1.

Some physicians also wonder whether primary care doctors should be the ones helping patients control symptoms such as pain through marijuana.

Medical marijuana is just one of many ways to treat pain, said Dr. Jay Joshi, owner of the National Pain Centers in Vernon Hills and Hoffman Estates, who is board-certified in anesthesiology and interventional spine and pain management.

"If you're going to be managing pain, you better know how to manage it from a complex standpoint," said Joshi, who certifies patients for medical cannabis. "If you're not qualified to treat all aspects of pain, why are you treating any aspects of pain?"

Moldy tree may make you sneeze

KATHERINE ROSENBERG-DOUGLAS
Tribune News Service

There can be endless debate about the best time to set up a Christmas tree, but the symbols of holiday cheer can pose an often-unheeded danger to people with asthma or allergies that means they may want to keep a live tree in the house only about a week.

That's because of something called "Christmas tree syndrome," a term allergist Dr. Lawrence Kurlandsky introduced with two studies suggesting that live Christmas trees can be covered in mold that can cause breathing problems. People with asthma or allergies are particularly susceptible, because 70% of the molds found in live trees can trigger severe asthma attacks, fatigue and sinus congestion.

Dr. Sharmilee Nyenhuis, an allergist at the University of Illinois at Chicago, said some people who have mold allergies don't realize the dangers of Christmas tree mold.

"Around five to seven days would probably be a good amount of time to have a live Christmas tree up, since after seven days the mold count starts to increase exponentially," she said.

The warmth inside homes is one reason the mold on trees gets more dangerous with time, said Melanie Carver, vice president of community health and marketing for the Asthma and Allergy Foundation of America.

"The trees themselves most likely have mold spores and pollen on them that are brought into the home," Carver said in an email. "Mold grows in warm, humid environments, and sometimes the inside of your home provides the perfect conditions to encourage mold growth."

Kurlandsky published his studies in 2007 and 2011 and has since retired.

If a Christmas tree has mold when it's brought into a home, it makes sense that people living there may notice symptoms from being exposed to it, such as sinus and nasal congestion, stuffiness, a runny nose, itchy, watery eyes or a cough, Nyenhuis said after reviewing Kurlandsky's research.

If the mold affects someone's asthma, it could lead to shortness of breath or chest tightness, she said.

"If those symptoms are always happening around the holiday time, every December or end of November when people are putting up holiday decorations, you may want to consider that maybe you're someone with allergies and speak with your doctor," she said.

JT Maier, owner of Advanta-Clean of Northwest Chicagoland in East Dundee, said artificial trees can be just as problematic because they might be covered in dust or mold if they haven't been properly stored.

"An artificial tree has its advantages and its risks," he said. "A big mistake in Chicagoland would be to put it in the attic by itself without any bag or without storing it in a plastic container, for example. They're really asking for a lot of trouble that way."

Sitting there for 11 months, the tree is bound to collect dust. In an attic that isn't insulated, condensation also could start to form.

"And water mixed with dust equals mold growth," Maier said.

For those with allergies who still want a holiday tree, there are quick ways to protect against the danger of mold, regardless of tree type.

Maier recommends storing any holiday decorations, including artificial trees and ornaments, in a climate-controlled space, such as a closet or finished basement instead of an unheated attic. He also said cardboard is a big no-no, since pests love it and it also will get moldy if it gets wet.

Use a leaf blower on a real tree before bringing it in the house, to shake off any pollen or mold. Washing it first works even better, but that can be tricky during a Chicago winter.

Carver, who said she recommends washing the tree with a small amount of bleach in water, said bringing a tree inside before it's completely dry also can promote mold growth.



MARK THIESSEN PHOTOS, ASSOCIATED PRESS

Santa Claus arrives Dec. 3 in Napakiak, Alaska, on an Alaska National Guard UH-60 Black Hawk helicopter. The Guard brought its Operation Santa Claus to the western Alaska community, which is being severely eroded by the nearby Kuskokwim River.

Santa, soldiers bring joy to Alaska village

MARK THIESSEN
Associated Press

NAPAKIAK, Alaska — A school employee wearing a traditional pink Alaska Native smock called a kuspuk breezed through the hubbub in the cafeteria adorned with murals of purely Alaska scenes, zigzagging through children clutching presents and past uniformed soldiers wearing Santa caps.

"Napakiak is happy today," she proclaimed to principal Sally Benedict.

That's a rare emotion of late for the 300 or so residents of this western Alaska community. "We're falling into the Kuskokwim River," Benedict explains, because of erosion that is forcing everyone to move their town farther inland.

But for one day this month, the Alaska National Guard gave folks a reason to smile, thanks to its "Operation Santa Claus" program, which featured the jolly old elf himself distributing gifts to the children.

"This lightens the load," said Benedict, a former Detroit educator who arrived last summer. "This is sunshine for us. It's a brightening of our day."

Now in its 63rd year, Operation Santa Claus has become a rarity among National Guard units. Defense officials have shut down the program everywhere but Alaska, where the mission survives because the state is so large and some communities are so remote.

The program started in 1956 when the residents of St. Mary's, Alaska, had no money to buy



Alaska National Guard Staff Sgt. Joseph Sallaffie hands a gift bag to Corban Jimmy while Marlene Black looks on during Santa's Dec. 3 visit to Napakiak, Alaska.

children Christmas presents after flooding severely impacted hunting and fishing.

Since then, Guard members try to visit at least two rural communities a year, delivering Christmas gifts and other needed supplies.

They've been to remote burgs with names like Koyukuk, Savoonga, Iliamna, Kwethluk and Tuntuliak. The visit to Napakiak involved two aircraft: a 400-mile trip in a small airplane from Anchorage, then a five-minute helicopter ride to the village.

"We love this, we truly love coming here," said Maj. Gen. Torrence Saxe, the adjutant general of the Alaska National Guard who found himself topping ice cream sundaes with cherries for the revelers in Napakiak. "This is a proud tradition."

The Guard isn't the only San-

ta's helper in the nation's largest state.

The Salvation Army is celebrating its 50th year of helping the Guard, collecting gifts, book bags and other items to be distributed. Major corporate sponsors like Costco and Walmart contribute to the program, and Rich Owens for years has provided the ice cream from his Tastee Freez restaurant in Anchorage.

"It's a labor of love," said John Brackenbury, the Alaska divisional commander of The Salvation Army.

Climate change is a contributing factor in the erosion caused by the Kuskokwim, a 700-mile-long river that becomes an ice highway for travelers in the winter, has been an ongoing problem in Napakiak, but the pace has accelerated in the past few years. It's a dilemma seen in

numerous Alaska communities affected by a warming climate that is thawing permafrost — permanently frozen soil — and compromising river banks, according to Brian Brettschneider, an associate climate researcher at the University of Alaska Fairbanks' International Arctic Research Center.

"You see this at a number of rivers in western Alaska where the bank stability is so much less than it used to be because the warming temperatures are allowing the banks to just crumble away with even typical river flows," he said.

This year alone, Napakiak's erosion has been responsible for more than 100 feet of lost shoreline.

In September, the village school's 10 fuel tanks were relocated by barge across the river to the nearby town of Bethel after being threatened by aggressive riverbank erosion.

Erosion also threatens the school, which sits less than 200 feet from the river. The Lower Kuskokwim School District needs to move the school, but local officials say finding money for a new school has been challenging.

River erosion also threatened Napakiak's firehouse and city garage, so those structures were moved in July.

The village also has applied for permits to relocate the boat harbor, which was destroyed by storms in May. The five-year plan, Benedict said, is to move everyone to the other side of an air strip.

Christmas tree farmers leaving industry

ABDEL JIMENEZ
Tribune News Service

John Minalt, 54, has spent most of his professional career as a dentist, but on the weekends he prepares for the seasonal rush of Christmas tree shoppers.

For the past 10 years, Minalt has been growing trees on his 20-acre Conifera Tree Farm in Harvard, Illinois, more than 70 miles northwest of Chicago.

Minalt is coming up on his third year selling balsam fir, fraser fir, spruce and white pine trees, but by tree farming standards, he's just getting started. Most farmers don't see a profit until seven to 10 years in because of how long it takes trees to grow.

Minalt says he isn't the only one cleaning teeth and planting Christmas trees. He knows of at least one more dentist-farmer in Illinois and another from Wisconsin.

"It's funny. I'm not the only one in the state. There are several others like me," Minalt said.

But that could soon change. Across the U.S., Christmas tree farmers are getting out of the business. Illinois lost dozens of farmers in recent years, dropping from 212 growers in 2012 to 182 farmers in 2017, according to the latest U.S. Department of Agriculture census data.

James Farmer, an Indiana University professor who led a



JOSE M. OSORIO, TRIBUNE NEWS SERVICE

John and Diana Minalt talk about owning and operating Conifera Tree Farm on Nov. 27 in Harvard, Ill. The number of Christmas tree farmers is declining across the U.S. as older farmers retire. Illinois dropped from 212 tree growers in 2012 to 182 farmers in 2017, according to the latest U.S. Department of Agriculture data.

study that looked at farmers in the Hoosier state, said younger farmers aren't taking the place of those who are retiring. Most growers in Indiana have plans to stop growing or planting trees in the next five years, Farmer said.

"The average farmer was 64 years old. A lot of folks get into Christmas tree farming and start planting trees when they are older. Most of them have smaller operations. But by the time they hit their mid-70s, they get out," Farmer said.

The physical demands of tree farming can discourage growers

from continuing the business, as can the amount of time it takes to turn a profit. About 30% of Indiana farmers reported revenues of \$10,000 or less in 2017, the study found. And selling Christmas trees is a part-time endeavor for most growers.

Chris Czarnowski, 43, is the owner of Ben's Christmas Tree Farm in Harvard. Czarnowski runs an information technology consultancy firm and recently hired a manager to oversee the farm, which offers horse-drawn wagon rides and a petting zoo in addition to selling trees.

"We have more customers looking for an experience. That's what we focus on," Czarnowski said.

The farm opens the Friday after Thanksgiving, a critical time for the business because it's when families are picking their trees, Czarnowski said. With only a few weeks to make sales, Czarnowski said he has to compete with other events and weather that could pull consumers away.

"It's a tough business to be in. You are only open a couple of times a week. If the (Chicago) Bears are playing, you are not going to get a good turnout," Czarnowski said.

Christmas tree farmers have also been hit by another competitor. Artificial trees sales have been steadily increasing, with 24 million purchased last year compared to about 21 million purchased in 2017, according to data by the National Christmas Tree Association.

"In the last few years, they have taken over a large percentage of the market. It's hurt us more than we realized," said Doug Hundley, a seasonal spokesman for the association.

Last year, the average price of a live Christmas tree was \$78, and the average cost of an artificial one was \$104, according to the 2018 consumer report by the association.

TRAVEL | FLYING



THE CHEAP SEATS

Here are a few tips for finding the most comfortable ride on a budget airline

ED PERKINS | Tribune Content Agency

Flying in economy is, at best, an ordeal. The last time an airport official wished me to “enjoy your flight,” I couldn’t help but reply, “You don’t ‘enjoy’ an economy flight; you ‘endure’ it.”

The “unpleasant” part isn’t confined to economy class; almost everybody has to put up with the long TSA lines and, on international flights, immigration lines.

But tight seating — front to rear and side to side — is unique to economy, or “coach,” “main cabin” or whatever else you might want to call the rear-cabin cattle car.

There’s no way to avoid tight seating. But, some seating is tighter than others, and when you really need 34 inches of front-to-rear seat spacing to be comfortable, the difference between 33 and 31 inches can loom much larger than the figures might indicate.

So, you can sometimes make economy travel a bit less miserable by carefully choosing a flight with a bit more legroom or side-to-side room than most.

Pointing out the better options would be easy if each airline maintained the same seating standard. But they don’t: Some airplanes allow wider seats than others, but front-to-rear spacing is up to each airline.

And front-to-rear spacing, measured by “pitch” or the spacing at which seats are installed, varies within most airlines and even within one airline’s version of a given airplane. You have to get at the details.

Seat width

Seat width depends on cabin dimensions, and all airlines’ 737s and 320s are generally stuck with what the cabin permits: seats six-across, 17 inches wide on 737s and 18 inches on the 320 family. Only the new A220 does a bit better. But airlines have more options on wide-body planes:

- Although the standard on 777s is 10-across, at 17 inches width, a few lines retain the older and far superior nine-across, 18-inch seats: Asiana, Delta, JAL, Korean, Thai, Turkish and Virgin Australia on all models; Air China, ANA, British Airways, Cathay Pacific, EVA, Singapore and United on some.

- Although nine-across at 17 inches has become standard on most 787s, JAL remains at eight-across, 18 inches.

- A slightly wider seat won’t suddenly make your trip a pleasure, but it beats the alternative. You can check width by checking seat maps on a flight posting or through SeatGuru.com.

Pitch — or, front-to-rear spacing

Although other factors can determine how much effective space you have for your legs and to work or read, pitch is the best measure we have. It’s the distance from a given point on a seat to the same point on the seat in the next row ahead or behind. Several metasearch systems, including Google Flights, post seat pitch of each listed flight, and you can find some big differences:

- The airline with the best pitch in North America is, oddly, Interjet, a Mexican low-fare line. Its planes all have a pitch of 34 inches.

- Among airlines most of you are likely to fly, JetBlue is the pitch champ, with its 320s and 321s at a minimum of 32-inch pitch and “Mint” models at 33 inches.

- Alaska and Southwest have no planes with pitch less than 31 inches; Southwest goes to 32 inches on its 737-800 models. WestJet is mainly at 31 inches, as well.

- Air Canada, American, Delta and United planes have a mix of pitch on their ubiquitous 737s and 320s, mostly 30 or 31 inches and generally moving toward 30 inches as new planes are delivered and old planes are refurbished. On wide-body planes, used mainly for intercontinental flights, Air Canada, American, Delta, Hawaiian and United are generally at 31-inch pitch.

- Among the low-cost lines, Allegiant offers 30-inch pitch; Frontier, Spirit, Sun Country and Sunwing are mostly at 28 to 29 inches.

- Many international airlines that serve the U.S. and Canada fly some planes with above-average pitch. Air France, Air India, ANA, Asiana, Cathay Pacific, China Airlines, China Eastern, Emirates, EVA, Finnair, Icelandair, JAL, Korean, LATAM, LOT, Philippine, Saudia, Singapore, Swiss, TACA, TAP, Virgin Australia and Xiamen have generally standardized on 32-inch pitch, with a few planes going to 33 and even 34 inches.

LIVING | HEALTH

Keep holiday memories alive

How reminiscence therapy can improve quality of life for those with dementia

MICHAEL R. NADORFF AND MARY DOZIER
OF MISSISSIPPI STATE UNIVERSITY
The Conversation

Many people love the holidays because they are a time to make happy memories with loved ones. But what if you could do something that would help restore memories in some of the people you love? Using a process called reminiscence therapy, that may be possible. In reminiscence therapy, elders are encouraged to discuss memories across their lifespan, particularly memories of positive experiences.

As researchers who specialize in geropsychology, and in preparation for the holidays, we wanted to explain this technique and encourage readers to use this evidence-based approach to connect with loved ones with impaired memory and dementia. We hope you give reminiscence therapy a try this holiday season. It may just be the start of a new family tradition.

The benefits of happy memories

Nearly 9% of American adults aged 65 and older meet criteria for dementia. Family members often function as formal and informal caregivers for loved ones who develop dementia, and these caregivers can experience a range of physical and psychological outcomes.

It typically involves asking the person about different events from particular times in the person's life. Around the holidays, older adults may already be primed to discuss holiday-themed memories due to the influx of sensory cues, including holiday decorations, the smell of holiday cookies and, of course, seasonal music.

An analysis of several studies on reminiscence therapy for dementia suggests that it can improve quality of life, communication and mood. Individuals who engage in reminiscence therapy with their loved ones report that the experience is generally positive for them, too, and can be an effective coping strategy when other communication becomes difficult.

Another study found that caregivers reported feeling more emotionally close with their loved ones with dementia when practicing reminiscence therapy. Also, they reported lower informal care costs than caregivers who felt more distant from their loved ones.



Ask for details

Here are some tips to implement reminiscence therapy. Most center on asking questions that may help prompt older adults to reminisce about holiday-themed memories. For example:

- What were your family traditions around the holidays when you were growing up?
- Did you have a Christmas tree? When and who would decorate it?
- Were there particular foods you would make and eat around the holidays?
- Did you ever travel for the holidays?
- What was your first holiday season with your spouse like?
- What were your holiday traditions when you were a parent?
- What is your favorite New Year's Eve memory?

Be an attentive listener

Make eye contact with your loved one, and angle your body toward theirs so that they know they have your undivided attention. Ask follow-up questions when appropriate. This indicates to your loved one that you heard what they said and are interested to know more.

Engage in activities

Engage your loved one in low-impact activities that engage multiple senses. For example, baking holiday cookies can elicit memories through touch (rolling out dough, decorating), smell (of ingredients, while baking) and taste. Encourage them to be mindful of their sensory experience at each stage of the activity and ask them about any memories that the sensation might bring to mind.

Listen to music

Listening to holiday-themed music while baking will also engage the auditory part of the brain.

A 2013 study of research on music therapy for dementia concluded that music therapy can be a useful intervention in its own right.

Break out the photo albums

Use visual aids to help with prompting retrieval of memories, such as pictures of past holiday events. Photographs can remind older adults of specific past events.

The Conversation is an independent and nonprofit source of news, analysis and commentary from academic experts. Learn more at theconversation.com.

STANDINGS & SCHEDULE

EASTERN CONFERENCE

Atlantic	GP	W	L	OT	Pts	GF	GA	Home	Away	Div
Boston	37	21	7	9	51	123	97	12-1-8	9-6-1	8-4-3
Toronto	37	19	14	4	42	125	116	9-4-4	10-10-0	7-5-1
Florida	35	18	12	5	41	126	115	11-7-2	7-5-3	4-4-1
Buffalo	37	17	13	7	41	114	116	11-3-3	6-10-4	6-5-1
Montreal	36	17	13	6	40	115	115	8-8-3	9-5-3	4-5-2
Tampa Bay	34	17	13	4	38	118	110	9-7-2	8-6-2	10-2-0
Ottawa	37	15	18	4	34	103	122	10-5-1	5-13-3	5-5-2
Detroit	37	9	25	3	21	80	145	5-13-1	4-12-2	3-7-0
Metropolitan	GP	W	L	OT	Pts	GF	GA	Home	Away	Div
Washington	37	26	6	5	57	134	104	10-3-4	16-3-1	4-3-1
N.Y. Islanders	34	23	8	3	49	103	88	13-3-2	10-5-1	6-2-1
Pittsburgh	36	21	11	4	46	120	96	14-4-2	7-7-2	5-2-3
Carolina	36	22	12	2	46	118	94	10-6-0	12-6-2	2-6-1
Philadelphia	36	20	11	5	45	116	105	12-2-4	8-9-1	6-2-2
Columbus	36	16	14	6	38	95	104	11-8-1	5-6-5	6-5-2
N.Y. Rangers	34	16	14	4	36	108	112	8-8-2	8-6-2	6-2-0
New Jersey	35	11	19	5	27	84	127	5-8-5	6-11-0	3-5-1

WESTERN CONFERENCE

Central	GP	W	L	OT	Pts	GF	GA	Home	Away	Div
St. Louis	37	23	8	6	52	114	98	12-4-3	11-4-3	8-1-1
Colorado	36	22	11	3	47	127	100	10-5-2	12-6-1	6-6-0
Winnipeg	36	21	13	2	44	111	101	10-7-1	11-6-1	6-3-1
Dallas	37	20	13	4	44	99	92	12-5-2	8-8-2	7-4-2
Nashville	35	17	12	6	40	123	114	9-6-4	8-6-2	5-4-0
Minnesota	37	17	15	5	39	115	126	9-2-3	8-13-2	2-8-1
Chicago	37	15	16	6	36	104	118	8-8-3	7-8-3	5-6-2
Pacific	GP	W	L	OT	Pts	GF	GA	Home	Away	Div
Arizona	37	20	13	4	44	105	94	8-9-1	12-4-3	7-3-3
Vegas	38	19	13	6	44	116	110	10-6-3	9-7-3	8-3-2
Edmonton	39	20	15	4	44	115	120	9-7-3	11-8-1	8-3-1
Calgary	37	18	14	5	41	99	112	10-5-3	8-9-2	5-5-1
Vancouver	37	18	15	4	40	120	113	10-5-3	8-10-1	5-5-1
San Jose	37	16	19	2	34	100	130	10-10-0	6-9-2	8-6-0
Anaheim	36	15	17	4	34	95	109	9-7-2	6-10-2	4-5-1
Los Angeles	38	15	19	4	34	98	120	10-6-1	5-13-3	5-10-1

Two points for a win, one point for overtime loss. Top three teams in each division and two wild cards per conference advance to playoffs.

Friday's results

Washington 6, New Jersey 3
Florida 7, Dallas 4
Toronto 6, N.Y. Rangers 3
Pittsburgh 5, Edmonton, 2

Saturday's results

Anaheim 6, N.Y. Islanders 5, SO
Buffalo 3, Los Angeles 2
Winnipeg 6, Minnesota 0
Florida 4, Carolina 2
Toronto 4, Detroit 1
Columbus 5, New Jersey 1
Edmonton 4, Montreal 3
Washington 3, Tampa Bay 1
Nashville 4, Boston 3, OT
Philadelphia 5, Ottawa 4, SO
Chicago 5, Colorado 3
Vancouver 4, Pittsburgh 1
St. Louis 5, San Jose 2

Sunday's games

Anaheim at N.Y. Rangers, 10:30 a.m.
Calgary at Dallas, 5 p.m.
Arizona at Detroit, 5 p.m.
Vegas at San Jose, 8 p.m.

Monday's games

Carolina at Toronto, noon
Calgary at Minnesota, 3 p.m.
Washington at Boston, 5 p.m.
Columbus at N.Y. Islanders, 5 p.m.
N.Y. Rangers at Phila., 5 p.m.
Florida at Tampa Bay, 5 p.m.
Buffalo at Ottawa, 5:30 p.m.
Arizona at Nashville, 6 p.m.
Montreal at Winnipeg, 6 p.m.
New Jersey at Chicago, 6:30 p.m.
St. Louis at Los Angeles, 8 p.m.
Edmonton at Vancouver, 8 p.m.
Colorado at Vegas, 8 p.m.

STAT OF THE DAY

23 The Wild (17-15-5) have played the fewest home games in the league this season, starting on the road for 23 of their first 37 games. They have 17 of their next 21 games at home in St. Paul, Minnesota.

— Associated Press

NHL ROUNDUP

Sheahan helps Oilers prevail

ASSOCIATED PRESS

EDMONTON — Riley Sheahan scored the tie-breaking goal less than a minute after Edmonton had one disallowed, and the Oilers defeated the Montreal Canadiens 4-3 on Saturday at Rogers Place.

Connor McDavid and Leon Draisaitl each had a goal and assist for Edmonton. Mikko Koskinen made 23 saves.

CAPITALS 3, LIGHTNING 1:

Dmitry Orlov scored the go-ahead goal with 6:03 left, Braden Holtby made 26 saves and host Washington killed off several late power plays to beat Tampa Bay.

JETS 6, WILD 0:

Blake Wheeler had a goal and assist to become the all-time leading scorer (616 points) in franchise history, Connor Hellebuyck made 31 saves for his third shutout of the season, and Winnipeg beat host Minnesota in St. Paul.

BLACKHAWKS 5, AVALANCHE 3:

Patrick Kane scored to open a four-goal third period and Chicago rallied to beat host Colorado.

PANTHERS 4, HURRICANES 2:

Jonathan Huberdeau had a goal and an assist in the third period, Chris Dreidger stopped 42 shots and Florida won in Raleigh.



JEFF MCINTOSH, THE CANADIAN PRESS VIA AP

Canadiens center Nick Suzuki, left, is sent flying thanks to a check by Oilers defenseman Kris Russell on Saturday night in Edmonton, Alberta.

CANUCKS 4, PENGUINS 1:

Right wing Jake Virtanen scored host Vancouver's opening goal, taking advantage of a shaky Matt Murray, who managed just 10 saves for Pittsburgh.

PREDATORS 4, BRUINS 3 (OT):

Ryan Ellis scored with 54.2 seconds left in overtime to lift Nashville over host Boston, which has won just once in the past eight games.

MAPLE LEAFS 4, RED WINGS 1:

Michael Hutchinson reg-

istered 29 saves in his first victory of the season as host Toronto beat Detroit for its fourth straight victory.

SABRES 3, KINGS 2:

Rasmus Ristolainen and Marco Scandella scored to lead host Buffalo to a victory over Los Angeles.

BLUE JACKETS 5, DEVILS 1:

Oliver Bjorkstrand scored twice in the first period, Joonas Korpiasalo stopped 21 shots and host Columbus cruised past New Jersey.

DUCKS 6, ISLANDERS 5 (SO):

Jakob Silfverberg scored in regulation and had the shootout winner as Anaheim topped host New York.

BLUES 5, SHARKS 2:

Alex Pietrangolo scored two goals and the Blues rolled to a victory in San Jose.

FLYERS 5, SENATORS 4 (SO):

Sean Couturier scored the shootout winner, and James van Riemsdyk scored two goals, as Philadelphia beat host Ottawa.

AROUND THE LEAGUE

Four selected as All-Star captains

NEW YORK — Washington's Alex Ovechkin, Boston's David Pastrnak, Colorado's Nathan MacKinnon and Edmonton's Connor McDavid were voted NHL All-Star captains, the league revealed.

Ovechkin was voted by fans to captain the Metropolitan Division, Pastrnak the Atlantic, MacKinnon the Cen-

tral and McDavid the Pacific. McDavid was voted into All-Star Weekend for a fourth season in a row and Ovechkin a third in a row.

The defending Stanley Cup champion St. Louis Blues host All-Star Weekend in January. The skills competition will be Friday, Jan. 24 and the 3-on-3 tournament will be Saturday, Jan. 25.

BRIEFLY

ISLANDERS: Cal Clutter-

buck is out indefinitely for New York after having surgery on his left wrist Friday. The 32-year-old right wing was injured in the third period of a 3-2 shootout win at the Boston Bruins on Thursday night.

WILD: Minnesota forward Jason Zucker will miss four to six weeks after having surgery to repair a fractured right fibula, general manager Bill Guerin said.

RANGERS: Lias Andersson has asked for a trade, and New York general manager Jeff Gorton said he is in the process of assessing the market for the center.

— Wire reports

STANDINGS & SCHEDULE

EASTERN CONFERENCE

American	W	L	Pct.	GB	L10	Str	Home	Away	Conf
Boston	19	7	.731	—	7-3	W-2	11-1	8-6	12-4
Toronto	20	8	.714	—	6-4	W-4	12-3	8-5	14-4
Philadelphia	21	10	.677	½	6-4	W-1	15-2	6-8	14-5
Brooklyn	16	13	.552	4½	6-4	W-1	9-5	7-8	10-7
New York	7	23	.233	14	3-7	L-2	4-11	3-12	3-17
Southeast	W	L	Pct.	GB	L10	Str	Home	Away	Conf
Miami	21	8	.724	—	7-3	W-2	12-1	9-7	15-2
Orlando	12	17	.414	9	4-6	L-3	8-6	4-11	7-9
Charlotte	13	19	.406	9½	5-5	L-2	7-9	6-10	9-12
Washington	8	20	.286	12½	2-8	L-3	4-7	4-13	4-10
Atlanta	6	24	.200	15½	2-8	L-7	3-11	3-13	3-15
Central	W	L	Pct.	GB	L10	Str	Home	Away	Conf
Milwaukee	26	4	.867	—	9-1	W-2	14-2	12-2	16-2
Indiana	20	9	.690	5½	8-2	W-5	13-3	7-6	13-7
Chicago	12	19	.387	14½	5-5	W-2	6-10	6-9	8-12
Detroit	11	19	.367	15	4-6	L-4	7-9	4-10	8-17
Cleveland	8	21	.276	17½	3-7	W-2	5-10	3-11	5-18

WESTERN CONFERENCE

Southwest	W	L	Pct.	GB	L10	Str	Home	Away	Conf
Houston	20	9	.690	—	8-2	W-3	10-4	10-5	12-5
Dallas	19	9	.679	½	7-3	W-1	8-7	11-2	11-4
San Antonio	11	17	.393	8	5-5	L-1	8-8	3-9	7-10
Memphis	11	19	.367	9	5-5	W-1	6-11	5-8	7-11
New Orleans	7	23	.233	13	1-9	L-1	4-11	3-12	6-14
Northwest	W	L	Pct.	GB	L10	Str	Home	Away	Conf
Denver	19	8	.704	—	6-4	W-5	13-3	6-5	10-4
Utah	18	11	.621	2	6-4	W-5	11-3	7-8	12-7
Okla. City	14	14	.500	5½	7-3	W-3	10-5	4-9	11-10
Portland	14	16	.467	6½	6-4	W-4	8-6	6-10	9-11
Minnesota	10	18	.357	9½	0-10	L-10	3-10	7-8	4-15
Pacific	W	L	Pct.	GB	L10	Str	Home	Away	Conf
L.A. Lakers	24	5	.828	—	7-3	L-2	10-2	14-3	16-2
L.A. Clippers	22	9	.710	3	7-3	W-1	14-2	8-7	14-6
Sacramento	12	17	.414	12	4-6	L-3	6-5	6-12	8-8
Phoenix	11	18	.379	13	2-8	L-6	6-11	5-7	7-14
Golden State	6	24	.200	18½	2-8	W-1	3-10	3-14	4-17

Friday's results

Cleveland 114, Memphis 107
Indiana 119, Sacramento 105
Boston 114, Detroit 93
Toronto 122, Washington 118
Dallas 117, Philadelphia 98
Miami 129, New York 114
Oklahoma City 126, Phoenix 108
Denver 109, Minnesota 100
Portland 118, Orlando 103
Golden St. 106, New Orleans 102

Saturday's results

Utah 114, Charlotte 107
Brooklyn 122, Atlanta 112

Chicago 119, Detroit 107
Philadelphia 125, Washington 108
Milwaukee 123, New York 102
Memphis 119, Sacramento 115
L.A. Clippers 134, S. Antonio 109
Houston 139, Phoenix 125
Portland 113, Minnesota 106

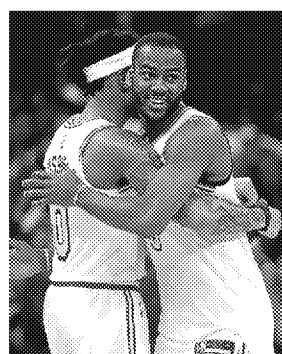
Sunday's games

Dallas at Toronto, 1:30 p.m.
Charlotte at Boston, 4 p.m.
Indiana at Milwaukee, 5 p.m.
L.A. Clippers at Okla. City, 5 p.m.
Denver at L.A. Lakers, 7:30 p.m.

STAT OF THE DAY

20 The Golden State Warriors blew a 20-point lead Friday night but recovered to top the New Orleans Pelicans 106-102. The hosts, just 6-24 on the season, improved to 3-10 in San Francisco. It was the Pelicans' 13th loss in 14 games.

— Associated Press



NBA ROUNDUP



ASSOCIATED PRESS PHOTOS

Jazz center Rudy Gobert, left, dunks despite the presence of Hornets forward Cody Martin in the first half Saturday night in Charlotte, N.C.

Jazz win fifth straight

ASSOCIATED PRESS

CHARLOTTE, N.C. — Bojan Bogdanovic scored 26 points, Rudy Gobert had 17 points and 19 rebounds and the Utah Jazz beat the Charlotte Hornets 114-107 on Saturday for their fifth straight victory.

Donovan Mitchell added 20 points for the Jazz, and Joe Ingles had 14 points, including two pivotal 3-pointers in the fourth quarter. Jazz coach Quin Snyder was ejected midway through the fourth quarter after arguing for a foul call.

CLIPPERS 134, SPURS 109: Kawhi Leonard captured his first victory in San Antonio since his exodus from the franchise to Toronto in 2018, collecting 26 points, nine assists and seven rebounds in three quarters as Los Angeles rolled. Leonard was roundly booed during pregame introductions and each time he touched the ball.

ROCKETS 139, SUNS 125: NBA scoring leader James Harden poured in 47 points, and Russell Westbrook had 30 points and 10 assists to lead Houston over host Phoenix.

TRAIL BLAZERS 113, TIMBERWOLVES 106: Damian Lillard scored 29 points, and Hassan Whiteside had 16 points and 22 rebounds as host Portland defeated Minnesota. Andrewiggins scored 33 points for the Timberwolves, who lost their 10th straight game.

NETS 122, HAWKS 112: Spencer Dinwiddie scored 39 points and host Brooklyn overcame a 47-point performance by Trae Young and beat Atlanta, which lost its seventh straight game.

BUCKS 123, KNICKS 102: Giannis Antetokounmpo had 22 points, 11 rebounds and 10 assists in his third tri-

ple-double of the season, and Milwaukee routed host New York.

76ERS 125, WIZARDS 108: Joel Embiid had 21 points and 13 rebounds, and Josh Richardson added 21 points to lead host Philadelphia over Washington. Bradley Beal had 36 points, eight rebounds and six assists for the Wizards.

GRIZZLIES 119, KINGS 115: Jaren Jackson Jr. scored 18 points, Jae Crowder added 17 points and 10 rebounds, host Memphis beat Sacramento. Harrison Barnes led the Kings with 25 points.

BULLS 119, PISTONS 107: Zach LaVine scored 33 points, and Coby White added 19 to help Chicago outlast host Detroit. LaVine and White each made five 3-pointers. Andre Drummond had 19 points and 14 rebounds for the Pistons.

AROUND THE NBA

James doubtful against Nuggets

LOS ANGELES — Lakers star LeBron James is doubtful for Sunday's home game against the Denver Nuggets with a thoracic muscle strain, coach Frank Vogel announced Saturday.

James first sustained the injury, a pull in the rib cage area, against the Indiana Pacers on Tuesday and played through it during Los Angeles' 111-104 loss to the Milwaukee Bucks on Thursday night. James didn't require an MRI. It is not considered a case of load management, however, sources told ESPN.

Earlier this week, James said he didn't plan to miss any games this season for rest. James has also been dealing with a nagging groin issue recently, sources said. Last season, a groin strain on Christmas Day derailed James and the Lakers' season.

Although he has yet to miss a game, the Lakers have been managing James' minutes this season as he's averaging a career-low 34.8 per game.

Despite the injury, James played 37 minutes and registered his seventh triple-double of the season against Milwaukee, but he struggled at times in the loss. The Lakers were outscored by 14 points when he was on the floor.

Meanwhile, Lakers forward Kyle Kuzma, who has been dealing with a sprained left ankle, practiced on Saturday and is probable to play against the Nuggets. Kuzma hasn't played since Dec. 8 and has been limited to just 20 games this season.

BRIEFLY

PISTONS: Detroit was without Blake Griffin (illness) and Derrick Rose (knee) for Saturday night's game against Chicago. Detroit was also without reserve Christian Wood, who is out with an injured left knee.

— Wire reports

AROUND COLLEGE BASKETBALL

Vols' Turner opts for season-ending surgery

KNOXVILLE, Tenn. — Following his team's 75-53 win over Jacksonville State on Saturday, Tennessee standout Lamonte Turner told reporters he had played his final collegiate game and will opt to have season-ending shoulder surgery. Turner is averaging 12.7 points and 6.7 assists per game.

Tar Heels end four-game losing streak

LAS VEGAS — Armando Bacot had 15 and 12 rebounds as North Carolina ended a rare four-game losing streak by beating UCLA 74-64.

— Wire reports

SATURDAY SCORES

EAST

Boston College 64, California 60
Boston U. 74, Mass.-Lowell 62
Bryant 64, Dartmouth 60
Buffalo 92, Niagara 72
Drexel 53, Norfolk St. 49
Duquesne 86, Austin Peay 77
Georgetown 99, Samford 71
Harvard 88, George Washington 75
La Salle 66, Fairleigh Dickinson 58
Loyola (Md.) 72, Elizabethtown 45
Monmouth (NJ) 72, Albany (NY) 70
Penn 105, Widener 57
Providence 70, Texas 48
Quinnipiac 69, Bowling Green 64
Rhode Island 86, W. Kentucky 82
Siena 81, Bucknell 71
Stony Brook 77, American U. 74
Syracuse 82, North Florida 70
Temple 78, Rider 66
Villanova 56, Kansas 55
Wagner 82, Army 62

SOUTH

Alabama 92, Belmont 72
Appalachian St. 70, Troy 65
Arkansas St. 62, Louisiana-Monroe 59
Auburn 74, Lehigh 51
Bethune-Cookman 85, Marist 56
Campbell 82, Johnson & Wales (NC) 59
Charleston Southern 76, E. Kent. 69
Chattanooga 68, UNC-Asheville 64
Coastal Carolina 81, So. Alabama 69
Coll. of Charleston 73, SC State 61
ETSU 80, Cleveland St. 55
Florida Gulf Coast 84, St. Thomas (FL) 62
Florida St. 66, South Florida 60
George Mason 69, UMBC 53
Georgia Southern 77, Texas-Arlington 74
Georgia St. 81, Texas State 69
High Point 92, Belmont Abbey 66
Liberty 80, Akron 67
Louisiana Tech 87, Southern University at New Orleans 47
Memphis 77, Jackson St. 49
Miami 91, Coppin St. 60
Mississippi 83, SE Louisiana 76
North Carolina 74, UCLA 64
Northwestern St. 67, Lamar 61
Ohio St. 71, Kentucky 65
SC-Upstate 92, Bob Jones 74
Southern Miss. 96, Tougaloo 77
St. Bonaventure 66, Middle Tennessee 65
Stephen F. Austin 81, McNeese St. 73
Tennessee 75, Jacksonville St. 53
Tennessee St. 86, Blue Mountain 71
Towson 86, Tulane 82
UAB 71, Alabama St. 63
UALR 69, Louisiana-Lafayette 66
UNC-Greensboro 67, N. Kentucky 50
Utah St. 65, Florida 62
Vanderbilt 88, UNC-Wilmington 73
Virginia Tech 64, VMI 55
W. Carolina 89, Tennessee Tech 76
Wake Forest 76, NC A&T 64
Winthrop 85, Elon 80

MIDWEST

Butler 70, Purdue 61
DePaul 83, Northwestern 78
Detroit 81, SIU-Edwardsville 55
Evansville 78, Murray St. 76
Fairfield 61, Oakland 59
Green Bay 85, N. Illinois 84
Indiana 62, Notre Dame 60
Kent St. 103, Hampton 64
Miami (Ohio) 71, Bradley 55
Michigan 86, Presbyterian 44
Michigan St. 101, E. Michigan 48
Missouri 63, Illinois 56
Nebraska-Omaha 87, Montana 82
North Dakota 75, Nebraska 74
Ohio 82, Morehead St. 76
S. Dakota St. 85, Idaho 57
S. Illinois 64, SE Missouri 45
Saint Louis 66, Kansas St. 63
West Virginia 75, Youngstown St. 64
Wichita St. 73, VCU 63
Wisconsin 83, Milwaukee 64
Wright St. 79, Toledo 72
Arkansas 72, Valparaiso 68
Iowa 77, Cincinnati 70

SOUTHWEST

Abilene Christian 79, Nicholls 61
Cent. Arkansas 71, Texas A&M-CC 67
Colorado St. 111, Tulsa 104
Minnesota 86, Oklahoma St. 66
North Texas 86, Ark.-Pine Bluff 53
Oklahoma 53, UCF 52
Oral Roberts 82, Missouri St. 72
Sam Houston St. 87, New Orleans 79
Texas A&M 64, Oregon St. 49
Texas Tech 68, Rio Grande 58
UTSA 89, Illinois St. 70
Texas A&M 64, Oregon State 49

FAR WEST

BYU 91, Weber St. 61
Colorado 78, Dayton 76
Creighton 67, Arizona St. 60
Drake 85, Air Force 80
Gonzaga 112, E. Washington 77
Grand Canyon 85, E. Illinois 63
Long Beach St. 68, Utah Valley 65
Pepperdine 75, N. Arizona 73
San Diego St. 80, Utah 52
San Francisco 93, UC Davis 84
Stanford 62, San Diego 59
UNLV 81, Robert Morris 69
Washington St. 87, Inc. Word 59
Wyoming 72, Denver 66
Southern Cal 70, LSU 68
Pacific 77, Idaho St. 66
CS Bakersfield 72, Cal Poly 50
Florida A&M 71, Seattle 57
St. John's 70, Arizona 67
Oregon 84, Texas Southern 78

Sunday's

Top 25 Schedule

No. 9 Virginia vs. So. Carolina, 1 p.m.
No. 22 Washington vs. Ball State, 7:30 p.m.

TOP 25 RECAP

Kansas the fifth No. 1 to fall

No. 18 Villanova prevails on Samuels' late 3-pointer

ASSOCIATED PRESS

PHILADELPHIA — Jermaine Samuels spotted up, let the ball fly and — bang — the 3-pointer swished, and some 20,000 delirious Villanova fans shook the arena. With time running out, the game on the line, Samuels was fearless.

"I just shot it unconsciously," he said. He did, and one more No. 1 got KO'd. Kansas became the latest top-ranked team to fall in the wildest of basketball seasons, another week where it's no fun at No. 1.

Samuels hit the winner with 20.5 seconds left to lead No. 18 Villanova to a 56-55 victory on Saturday, and the Wildcats became the only team to beat KU twice at No. 1 under coach Bill Self.

"The reason why No. 1 lost today is because they played a team that's really good in their building," Self said. "I don't think it had anything to do with what anybody is ranked."

The Big 12 Jayhawks (9-2) may get another run at No. 1. Kansas had moved up one spot to become the fifth team to top the poll this season. It is the first time the AP poll has had five different No. 1s before New Year's Day; the record for an entire season is seven, set in 1982-83.

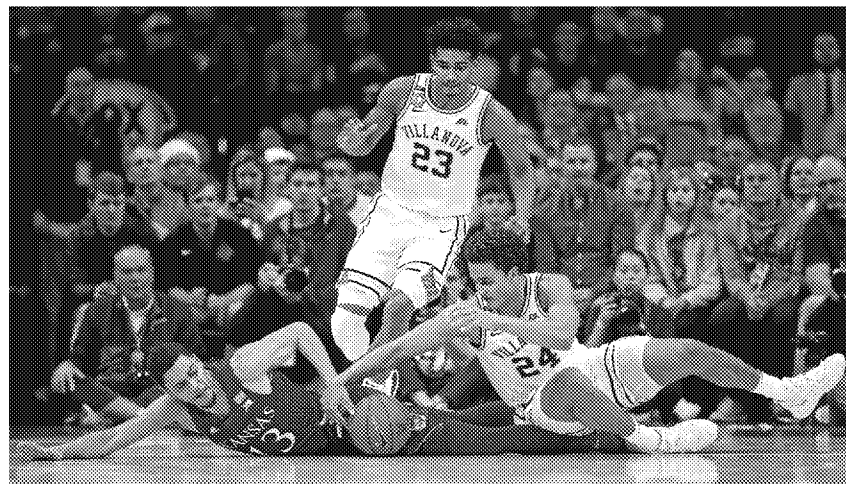
Samuels hit the 3-pointer to make it 56-55, the big one in an otherwise awful 10 of a school-record 41 3 attempts for the Wildcats.

KU's Devon Dotson missed a contested layup on the final shot as the clock expired and Kansas' nine-game winning streak ended.

NO. 2, GONZAGA 112, EASTERN WASHINGTON 77: Admon Gilder scored 22 points, and Ryan Woolridge added 15 points as the host Zags (13-1) rolled to a victory in Spokane. Gonzaga, the likely new No. 1 team, has won five straight.

NO. 5 OHIO STATE 71, NO. 6 KENTUCKY 65: D.J. Carton had 13 points, and Kaleb Wesson added 12 before fouling out as the Buckeyes (11-1) beat the Wildcats (8-3) in Las Vegas. Nate Sestina scored 17 and hit six 3-pointers, and Tyrese Maxey added 15 points for Kentucky.

NO. 8 OREGON 84, TEXAS SOUTHERN 78: Chris Baldwin scored 27 points — 20 above his season average — as the host Ducks (10-2) won in Eugene.



MATT SLOCUM, ASSOCIATED PRESS

Kansas' Tristan Enaruna, left, vies for a loose ball with Villanova's Jermaine Samuels (23) and Jeremiah Robinson-Earl (24) during Saturday's game in Philadelphia.

NO. 11 MEMPHIS 77, JACKSON STATE 49: Precious Achiuwa had 20 points and nine rebounds, and DJ Jeffries added 13 points for the host Tigers (10-1).

NO. 12 AUBURN 74, LEHIGH 51: Austin Wiley had 14 points and 15 rebounds as the host Tigers (11-0) remained the only unbeaten Power Five program.

COLORADO 78, NO. 13 DAYTON 76 (OT): D'shawn Schwartz nailed a 3-pointer at the buzzer to give the Buffaloes (10-2) the upset victory in Chicago. McKinley Wright IV scored a season-high 29 points for Colorado, which came away with the win after Obi Toppin hit a tying 3-pointer in the final seconds of regulation for Dayton (9-2).

NO. 14 MICHIGAN 86, PRESBYTERIAN 44: Isaiah Livers left early in the first half with a left leg injury, but that was the only real problem for the host Wolverines (9-3). Eli Brooks led a balanced offense with 16 points.

NO. 15 MICHIGAN STATE 101, EASTERN MICHIGAN 48: Cassius Winston had 21 points and seven assists as the host Spartans (9-3) cruised to a victory in East Lansing.

ST. JOHN'S 70, NO. 16 ARIZONA 67: LJ Figueroa scored 21 points and Rasheem Dunn added 14 to help the Red Storm (11-2) beat the Wildcats (10-3) in San Francisco.

NO. 17 BUTLER 70, PURDUE 61: Bryce Golden scored 14 points and set the tone defensively as the Bulldogs (11-1)

beat the Boilermakers (7-5) in Indianapolis. Trevion Williams led Purdue with 12 points and 10 rebounds.

NO. 19 FLORIDA STATE 66, SOUTH FLORIDA 60: The Seminoles (10-2) used smothering defense to overcome a 10-point deficit in the final seven minutes at the Orange Bowl Classic in Sunrise. RaiQuan Gray had 11 points, seven rebounds and three steals for Florida State.

NO. 20 SAN DIEGO STATE 80, UTAH 52: Malachi Flynn scored 16 points as the Aztecs (12-0) won in Los Angeles to remain one of the nation's four unbeaten teams. Yanni Wetzell and Nathan Mensah added 14 points apiece.

NO. 21 TENNESSEE 75, JACKSONVILLE STATE 53: Jordan Bowden scored 19 points, and Yves Pons tied a school record with six blocks as the Volunteers (8-3) beat Jacksonville State (4-8) in Knoxville to give coach Rick Barnes his 700th career victory. Barnes is the seventh active coach to reach 700.

NO. 24 TEXAS TECH 68, TEXAS-RIO GRANDE 58: Freshman Jahmi'us Ramsey, back after missing four games with a hamstring injury, scored 15 points and the host Red Raiders (8-3) overcame another sluggish start.

NO. 25 WEST VIRGINIA 72, YOUNGSTOWN STATE 64: Oscar Tshiebwé scored 19 points, and Derek Culver added 15 as the Mountaineers (10-1) won on the road in their first game as a ranked team this season.

COLLEGE FOOTBALL

LAS VEGAS BOWL | WASHINGTON 38, NO. 18 BOISE STATE 7



STEVE MARCUS, ASSOCIATED PRESS

Washington running back Salvon Ahmed beats Boise State safety Kekoa Nawahine to the end zone for the Huskies' second touchdown in the first half of Saturday's Las Vegas Bowl. The Huskies jumped out to a 17-0 halftime lead over the Broncos.

Petersen's finale a smash hit

DAN GREENSPAN
Associated Press

LAS VEGAS — Jacob Eason threw for 210 yards and a touchdown and Washington sent out coach Chris Petersen with a 38-7 victory over No. 18 Boise State in the Las Vegas Bowl on Saturday night.

Richard Newton rushed for 69 yards with a short touchdown run and threw a touchdown pass for the Huskies (8-5). They capped an erratic season with a dominant finale for Petersen — who left Boise State to coach Washington

— after he announced Dec. 2 he was stepping down after six seasons. Myles Bryant and Elijah Molden had interceptions, and coordinator Jimmy Lake's defense allowed 266 yards. Lake is taking over as head coach.

Jaylon Henderson threw for 48 yards and a touchdown for the Broncos (12-2). They lost for the first time in five appearances in the Las Vegas Bowl. Henderson replaced Hank Bachmeier in the second half after the freshman threw his second interception.

The Huskies jumped out to

a 17-0 halftime lead behind a methodical offense and suffocating defense. Bachmeier threw a pass up for grabs on the opening possession that was easily picked off by Bryant, and Andre Baccellia took a slant from Eason 17 yards into the end zone for the opening score.

Salvon Ahmed made it 14-0 in the second quarter with an 8-yard touchdown run to cap a 13-play march, and Peyton Henry kicked a 32-yard field goal as the half ended. Eason threw a 26-yard pass to Marquis Spiker on the first play of

the drive, the longest gain of the half and one of two plays for either team that gained 20 yards.

Molden picked off a screen pass by Bachmeier, with Washington going up 24-0 early in the third quarter on a 2-yard touchdown run by Newton.

Henderson came in and got the Broncos on the board with a 10-yard screen pass to George Holani.

Bachmeier, who started the first seven games before sustaining a hip injury against Hawaii, was 10 of 19 for 87 yards.

NEW MEXICO BOWL
SAN DIEGO ST. 48, CENTRAL MICH. 11



ANDRES LEIGHTON, ASSOCIATED PRESS

San Diego State receiver Jesse Matthews dives for a touchdown reception in Saturday's New Mexico Bowl.

Aztecs get offensive in runaway victory

RUSSELL CONTRERAS
Associated Press

ALBUQUERQUE, N.M. — Coming into the New Mexico Bowl, San Diego State's defense was the focus. The Aztecs ranked second in the nation in rushing defense and second in rushing yards allowed per carry. But San Diego State's offense, with only an average of 19 points-per game, ranked among the nation's worst. Something had to give against Central Michigan and its strong defense.

So the Aztecs offense stepped it up Saturday.

Ryan Agnew passed for 287 yards and three touchdowns, Jesse Matthews caught three passes for 111 yards and two touchdowns and San Diego State won a bowl game for the first time since 2016, beating Central Michigan 48-11 on Saturday in the New Mexico Bowl.

"We don't listen to the stuff outside the locker

room," Matthews said. "It all came together."

Jordan Byrd ran for a career-high 139 yards and a touchdown to help the Aztecs (10-3) cap their 10th straight bowl appearance with a victory. San Diego State opened 7-1 record, then dropped two of its last three conference games to fall out of contention for a Mountain West title game berth.

San Diego State coach Rocky Long said he and his coaching staff did nothing differently to prepare the offense. "We just played a whole lot better today," Long said with a shrug.

Kobe Lewis ran for 97 rushing yards, with a 66-yard rushing touchdown in the third quarter. Despite the loss, Lewis credited Chippewas coach Jim McElwain for changing the culture of the program that went from 1-11 to 8-6 in one year.

BOCA RATON BOWL
FLORIDA ATLANTIC 52, SMU 28



MICHAEL LAUGHLIN, SOUTH FLORIDA SUN-SENTINEL VIA AP

Florida Atlantic's James Charles scores a touchdown against SMU's Tyeson Neals during Saturday's Boca Raton Bowl.

No, Kiffin, no problem as Owls rout Mustangs

TIM REYNOLDS
Associated Press

BOCA RATON, Fla. — Chris Robison passed for 305 yards and two touchdowns and Florida Atlantic scored two touchdowns in a 24-second span late in the first half to take control on the way to beating SMU 52-28 in the Boca Raton Bowl on Saturday night.

It was FAU's first game since Lane Kiffin left the Owls to take over at Ole Miss — and the Conference USA champions, playing on their home field, didn't miss a beat under interim coach Glenn Spencer.

James Charles ran for two touchdowns for FAU (11-3), which tied a school record for wins in a season and improved to 4-0 in bowl games. The first of Charles' scores came with a minute left in the first half to break a 14-14 tie. Robison found Brandon Robinson for another

touchdown 24 seconds later after an SMU interception and the Owls were off and running.

Rashad Smith ran a fumble back for a score in the third quarter to help FAU blow the game open. Robison completed 27 of 37 passes for FAU.

Shane Buchele completed 27 of 47 passes for 303 yards for SMU (10-3). The Mustangs were seeking their first bowl win since 2012, this game coming a day after they gave coach Sonny Dykes — who has gone 15-11 in his first two seasons with the team, including the 2017 Frisco Bowl loss — a contract extension.

Xavier Jones had a pair of rushing touchdowns for SMU. James Proche, who entered as the NCAA's active career leader in receptions and receiving yards, had nine catches for 86 yards and a score.

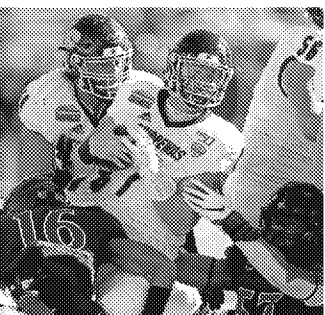
Saturday's stars

Chris Robison, QB, Florida Atlantic: Robison was 27 of 37 for 305 yards — and that's with FAU's two leading receivers not playing, in a 52-28 victory over SMU in the Boca Raton Bowl.

Kylil Carter, QB, North Carolina A&T: Carter completed 18 of 30 passes for 364 yards and six touchdowns, and ran for 96 yards in the Aggies' Celebration Bowl victory over Alcorn State.



Omar Bayless, WR, Arkansas State: Bayless, the nation's No. 2 receiver, caught nine passes for 180 yards and a touchdown in the Camelia Bowl.



San Diego State defense: Central Michigan quarterback Tommy Lazzaro (7) is sacked by San Diego State's Luq Barcoo (16) and Keshawn Banks (57). The Aztecs also held Jonathan Ward, who came into the game with 1,082 yards and 15 touchdowns, to 7 rushing yards and 26 yards receiving.

NOTEBOOK



STEPHEN M. DOWELL, ORLANDO SENTINEL VIA AP

Liberty cornerback Javon Scruggs intercepts a pass intended for Georgia Southern receiver Khaleb Hood during the Cure Bowl on Saturday in Orlando.

Cure Bowl

LIBERTY 23, GEORGIA SOUTHERN 16: Frankie Hickson picked up 120 yards rushing on 22 carries, and Stephen Calvert went 16 of 35 passing for 270 yards and two touchdowns for Liberty.

Flames coach Hugh Freeze, who began his first season coaching Liberty from a hospital bed in the press box following back surgery on Aug. 16, got his 50th career win.

Camelia Bowl

ARKANSAS STATE 34, FIU 26: Layne Hatcher passed for 393 yards and four touchdowns, including a late 13-yarder to Jonathan Adams, and the Red Wolves (8-5) held on to beat the Panthers (6-7) in Montgomery, Alabama.

The winning drive was highlighted by All-American and game MVP Omar Bayless's 52-yard catch down to the 12. The Red Wolves sealed it with two interceptions in the final minutes.

Celebration Bowl

NORTH CAROLINA A&T 64, ALCORN STATE 44: Kylil Carter passed for six touchdowns as the Aggies rolled to their third consecutive HBCU national title.

Carter completed 18 of 30 passes for 364 yards, and added 96 on the ground. Corey Banks and Elijah Bell each caught a pair of scoring passes for NCA&T.

New Orleans Bowl

NO. 20 APPALACHIAN STATE 31, UAB 17: Darrynton Evans ran for 161 yards, including a 31-yard touchdown after he scooped up a fourth-down fumble, to lead the Mountaineers (13-1).

The Mountaineers scored twice in the third quarter on quarterback fumbles. Evans' go-ahead score came first when Zac Thomas lost the ball. Later, outside linebacker Nick Hampton stripped UAB quarterback Tyler Johnston, and inside linebacker Trey Cobb returned the ball 24 yards to put Appalachian State in front 24-17.

— Wire reports

BOWL RESULTS, TV SCHEDULE

Friday
Bahamas: Buffalo 31, Charlotte 9
Frisco: Kent State 51, Utah State 41
Saturday
Celebration: N. Carolina A&T 64, Alcorn State 44
New Mexico: San Diego State 48, Central Michigan 11
Cure: Liberty 23, Georgia Southern 16
Boca Raton: Florida Atlantic 52, SMU 28
Camellia: Arkansas State 34, FIU 26
Las Vegas: Washington 38, Boise State 7
New Orleans: Appalachian St. 31, UAB 17
Monday
Gasparilla: Tampa, Florida 12:30 p.m. ESPN Marshall (8-4) vs. UCF (9-3)
Tuesday
Hawaii: Honolulu 6 p.m. ESPN Hawaii (9-5) vs. BYU (7-5)
Thursday
Independence: Shreveport, Louisiana 2 p.m. ESPN Miami (6-6) vs. Louisiana Tech (9-3)
Quick Lane: Detroit 6 p.m. ESPN Pittsburgh (6-6) vs. E. Michigan (6-6)
Dec. 27
Military: Annapolis, Maryland 10 a.m. ESPN North Carolina (6-6) vs. Temple (8-4)
Pinstripe: New York 1:20 p.m. ESPN Michigan State (6-6) vs. Wake Forest (8-4)
Texas: Houston 4:45 p.m. ESPN Texas A&M (7-5) vs. Oklahoma St. (8-4)
Holiday: San Diego 6 p.m. FS1 Southern Cal (8-4) vs. Iowa (9-3)
Cheez-It: Phoenix 8:15 p.m. ESPN Washington St. (6-6) vs. Air Force (10-2)
Dec. 28
Camping World: Orlando, Florida 10 a.m. ABC Notre Dame (10-2) vs. Iowa State (7-5)
Cotton: Arlington, Texas 10 a.m. ESPN Penn State (10-2) vs. Memphis (9-2)
Peach, semifinal: Atlanta 2 p.m. ESPN LSU (13-0) vs. Oklahoma (12-1)
Fiesta, semifinal: Glendale, Ariz. 6 p.m. ESPN Ohio State (13-0) vs. Clemson (13-0)
Dec. 30
First Responder: Arlington, Texas 10:30 a.m. ESPN Western Kentucky (8-4) vs. Western Michigan (7-5)
Music City: Nashville, Tenn. 2 p.m. ESPN Louisville (7-5) vs. Miss. St. (6-6)
Redbox: Santa Clara, California 2 p.m. FOX Illinois (6-6) vs. California (7-5)
Orange: Miami Gardens, Fla. 6 p.m. ESPN Florida (10-2) vs. Virginia (9-4)
Dec. 31
Belk: Charlotte, N.C. 10 a.m. ESPN Virginia Tech (8-4) vs. Kentucky (7-5)
Sun: El Paso, Texas Noon CBS Arizona State (7-5) vs. Florida State (6-6)
Liberty: Memphis, Tenn. 1:45 p.m. ESPN Kansas State (8-4) vs. Navy (9-2)
Arizona: Tucson 2:30 p.m. CBSN Wyoming (7-5) vs. Georgia State (7-5)
Alamo: San Antonio 5:30 p.m. ESPN Utah (11-2) vs. Texas (7-5)
Jan. 1, 2020
Citrus: Orlando, Florida 11 a.m. ABC Michigan (9-3) vs. Alabama (10-2)
Outback: Tampa, Florida 11 a.m. ESPN Minnesota (10-2) vs. Auburn (9-3)
Rose: Pasadena, Calif. 3 p.m. ESPN Oregon (11-2) vs. Wisconsin (10-3)
Sugar: New Orleans 6:45 p.m. ESPN Georgia (11-2) vs. Baylor (11-2)
Jan. 2
Birmingham: Alabama 1 p.m. ESPN Boston College (6-6) vs. Cincinnati (10-3)
Gator: Jacksonville, Florida 5 p.m. ESPN Tennessee (7-5) vs. Indiana (8-4)
Jan. 3
Idaho Potato: Boise, Idaho 1:30 p.m. ESPN Nevada (7-5) vs. Ohio (6-6)
Jan. 4
Armed Forces: Fort Worth, Texas 9:30 a.m. ESPN Tulane (6-6) vs. Southern Miss (7-5)
Jan. 6
LendingTree: Mobile, Alabama 5:30 p.m. ESPN Louisiana (10-3) vs. Miami (Oh.) (8-5)
Jan. 13
National championship game: New Orleans 6 p.m. ESPN Fiesta Bowl winner vs. Peach Bowl winner

COLLEGE SPORTS | BIG TEN

‘THIS WAS THE TIME’

Outgoing Big Ten commish Jim Delany has few regrets when it comes to his 30-year tenure

TEDDY GREENSTEIN | Chicago Tribune

A fan decked in Ohio State gear near the tunnel holed: “Hey! Best commissioner ever!” as Jim Delany exited the Lucas Oil Stadium field with wife, Kitty, after the Dec. 7 Big Ten championship game.

Delany nodded to acknowledge the man known to Buckeyes fans as “Tennessee Jeff” Hamms. But he did not break stride.

“People have yelled good things and bad things,” Delany said with a chuckle. “It depends oftentimes whether you win or lose. I appreciate fans, but I don’t think commissioners are per se supposed to be popular.”

Delany’s approval rating has ranged from roughly 0 to 100, depending on the timing and source of opinion, during his 30 years at the helm of the Big Ten, which officially ends Jan. 1.

Big Ten presidents and chancellors worship him for the wads of cash that flow to their campuses each year, allowing them to construct jaw-dropping facilities and offer top dollar to coaches.

Some Midwestern fans cursed him for rotating the Big Ten basketball tournament to Washington and New York.

Parents of Big Ten soccer and volleyball players should love him whenever they get to watch their kids appear on BTN telecasts.

Hordes of college football fans resented his loyalty to the Rose Bowl over his willingness to greenlight a college football playoff.

Most Penn State and Nebraska fans appreciate him for their inclusion in the conference.

SEC fans howled when he took a shot at the league’s academic standards for football players.

Maryland and Rutgers officials should bow down for the financial lifeline provided.

Social media mocked him when the Big Ten split into “Legends” and “Leaders.”

Ohio State and Michigan football fans must love having Maryland and Rutgers in the conference as the traditional powers deliver whuppings and raid those home bases for talent.

We haven’t even gotten to some of Delany’s other signature moves, such as pioneering instant replay and bowl tie-ins, helping to create the Big Ten-ACC Challenge and the Gavitt Tipoff Games, pushing and sometimes relenting on Friday night football games, adding Johns Hopkins for men’s lacrosse and Notre Dame for men’s hockey.

“No risk, no reward, no guts, no glory,” Delany said during the opening stretch of an 80-minute interview at Big Ten headquarters in Rosemont, Illinois.

Here are 10 takeaways from the interview:

1. Jim Delany, 71, is ready to bounce

Asked if he felt melancholy as he walked off the field in Indianapolis, Delany replied: “Not at all. Some people go 20 or 25 years. I’ve had the chance to go 30 and could have gotten longer. I told our presidents in ’13: I’ll go to ’15. In ’15 I said I’ll go ’18. At ’18 I’ll go to ’20.

“I just had a sense that this was a good time. I can’t tell you why that’s the case. I don’t want their confusion to be between Jim Delany, the commissioner, and the Big Ten Conference. The Big Ten is the Big Ten. It predated me by 90 years and it will postdate me by 100 years.

“I’ve had a chance to be impactful. I love working with the people I’ve worked with. Once I decided, the next decision was whether I’d try to influence the search process. I was adamant about that. Nobody influenced the search process when I was hired and I shouldn’t try to influence it.”

2. He feels bullish about his successor

The Big Ten’s transition to Kevin Warren began Sept. 16, and the former Minnesota Vikings executive already has developed a fantastic reputation in the building — friendly, inclusive and quick to pick up lunch tabs.

Although his first day marked a momentous occasion in college sports given that he’s the first African American commissioner of a Power Five conference, Big Ten officials strangely have kept him out of public view.

Warren has made no public comments or appearances since his introductory news conference in June. Conference officials have taken it to such extremes that after I asked for permission to say hello and shake his hand, the request was denied.

Warren has been meeting with key figures that orbit the Big Ten — TV partners, bowl officials, commissioners from other conferences. He is getting to know presidents and chancellors.

“He is ready,” Delany said.

The simplest way to describe his task?

“Our job as a commissioner is to identify problems and potential solutions and then to rally support for those solutions,” Delany said. “If there’s no support for those solutions, we don’t do it.”

3. His tenure was marked by bold moves

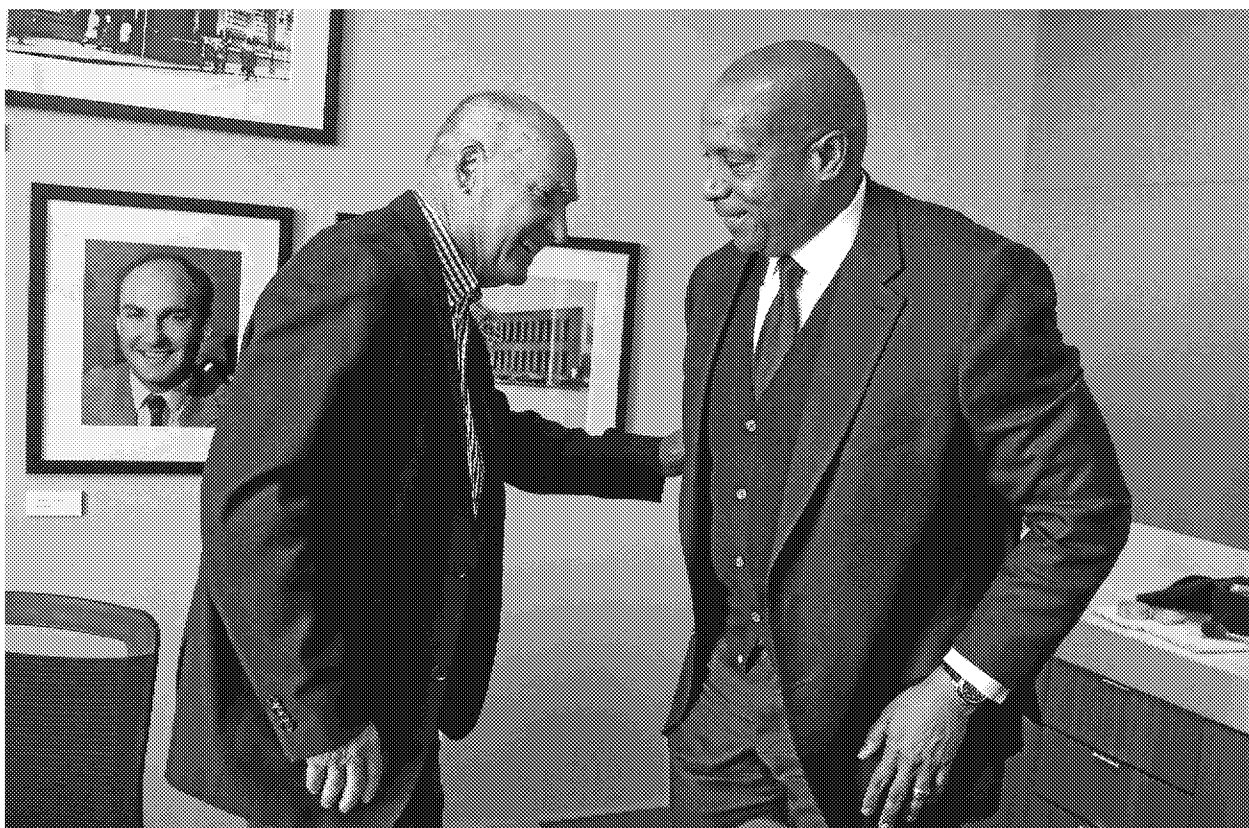
“If you don’t venture out,” Delany said, “you never gain anything. I don’t want to go back and read all the articles about (criticism for) the Big Ten Network or instant replay or expansion. You have to do what you think is right. And if you make mistakes, you course correct or you double down.”

Take expansion. The Big Ten added Nebraska in 2011 and achieved the right number of teams for a conference title game. But Delany wanted to go bigger.

“We had a tremendous competitive advantage for 50 or 75 years demographically, but when other conferences got larger, our advantage was mitigated,” he said. “If you look at simple demographics, through 2030 to 2040 (the Midwest is) growing at 1 to 1.5%. (Another conference) might be 3.5 to 4%. You can’t move this operation to Arizona. But you can move it to the East Coast because it’s contiguous and you have major research institutions.”

OK, but haven’t the 2014 additions of Rutgers and Maryland been a flop? The two were dismal in football this fall, combining to go 1-17 in Big Ten play (someone had to win their matchup) and were outscored 731-195.

And isn’t the quality of



PHOTOS BY KAMIL KRZACZYNSKI, CHICAGO TRIBUNE

Outgoing Big Ten commissioner Jim Delany, left, chats with incoming commissioner Kevin Warren at the Big Ten Conference headquarters in Rosemont, Ill.

content more important than market size with rampant cord cutting among millennials?

Delany wouldn’t budge, saying: “My view is that it’s absolutely the right decision and absolutely the right place for us to be. I expect that Maryland will continue to be competitive in a lot of sports. Rutgers’ hiring of (Greg) Schiano is a bold stroke.

“I don’t think people should evaluate this in the short term. But in a 25-year or 50-year period, I think they’re going to be very competitive. They are added value. And if the Big Ten had stayed at 10 and (not) taken on any of the risk associated with expansion, we probably would be tied for the fourth-largest conference.

“Rutgers is a fabulous institution, as is Maryland. And the corridor they occupy with Penn State might be the most important in the Western world — great students, political institutions, financial institutions. So we’re not only recruiting students to play basketball but students overall.”

4. He wishes to return to the Big Apple

The New Jersey native who played for North Carolina’s Dean Smith reveres Madison Square Garden. He spearheaded the decision to move the 2018 Big Ten men’s basketball tournament there even though teams had to play a condensed schedule with the Big East having dibs on the second weekend in March.

“It was debated and decided,” Delany said. “I thought it was the right thing to do because it was part of something much larger, our Eastern initiative. I mean, (Johns) Hopkins doesn’t (join) by happenstance. We couldn’t get to New York except a week earlier. We have an office there.

“While it was painful to jam so many games into such a short period of time, the tournament itself was successful. We sold out a variety of sessions. The players and coaches loved it. It’s a piece of history for the Big Ten. And even though Madison Square Garden has extended (the Big East tournament) through 2026, our next extension should leave that possibility open (for a return).”

5. He expresses few regrets

I asked the golf nut to name something for which he would take a mulligan. Delany paused 12 seconds before answering that in his first year, he didn’t collaborate properly with university athletic directors and faculty members regarding Penn State’s integration: “That hurt me in my ability to build trust.”

“Hmmm ... he wouldn’t take back the “open letter” he wrote in 2017 after Florida spanked Ohio State in the BCS title game, the one in which he wrote: “I love speed and the SEC has great speed, especially on the defensive line, but there are appropriate balances when mixing academics and athletics. ... I wish we had six teams among the top-10 recruiting classes every year, but winning our way requires some discipline and restraint.”

Delany was filleted for it.

“Yeah, this is one of the things I’ve learned,” he said. “Anybody with access to a microphone who says things that are negative, it tends not to work out in the long run. I do feel good that we’ve had 30 selection processes in the NCAA Tournament. And I think if you check the record, you wouldn’t find anything negative (I’ve commented) about that.”

6. He wants to remind America of the Big Ten’s academic prowess

We walked to a wall at Big Ten headquarters that displays the conference’s Nobel laureates. Saul Bellow, for example, has graduate degrees from Northwestern and Wisconsin.

“There’s probably not another conference in the country that can produce 25 to 30 percent of this,” Delany said. So the SEC doesn’t have this many?

Delany didn’t respond audibly.

“You can’t quote silence, can you?” he asked.

7. ‘Consider them rolled’

Delany met with ESPN executives in 2004 with the intention of extending the Big Ten’s media-rights agreement. But when vice president Mark Shapiro lowballed him, Delany threatened to create his own network.

Shapiro: “If you don’t take our offer, you are rolling the dice.”

Delany: “Consider them rolled.”

Turns out the conference had been studying the formation of a network since the late 1990s, but the dot-com bubble put that on hold.

“ESPN’s position was: You’ve got these five (major) conferences and they all make about the same (revenues). I didn’t think that was true,” Delany said. “But you can’t just think it’s not true. You have to act like it’s not true. And then you may be right or you may be wrong.

“I gave the full opportunity for our presidents and ADs to say: Just negotiate it out and do the best you can. But for me the offer was not acceptable and (the threat to create BTN) was not a head fake.

“Then you have to execute. It was very difficult (sparing with Comcast). But everybody stayed the course. Nobody turned their back on the idea. And they all benefited from it.”

Thanks in part to the network, Big Ten revenue surged to a record \$759 million in 2018, \$99 million more than the SEC reported.

8. He is big on protocol

When thirtysomethings Pat Fitzgerald and Bret Bielema entered the conference as coaches in 2006, Delany told them to look around the room at future Hall of Famers Joe Paterno, Jim Tressel and Lloyd Carr.

“Give me a sense,” Delany asked them, “of how many times you think they’ve called me on any matter?”

Maybe 10, they responded.

“No,” Delany replied. “Try zero. We have a supervisor (of officials). I might talk to an athletic director. There is a chain of command.”

As Delany stood by a wall of classic Sports Illustrated covers, he reflected on Indiana’s Bob Knight, saying he “played his own music, his own tunes.”

Knight opposed the creation of the Big Ten tournament, believing there should be one conference champion determined by a full slate of games.

Delany officially won that battle in 1998.

Knight and Ohio State’s Jim O’Brien protested the creation of the Big Ten-ACC Challenge, with Knight claiming his future schedules already were set: “I am adamantly opposed to having to call someone and say, ‘We’re not going to play!’ Then they have to go and find another game.”

Delany’s compromise: With nine ACC teams and 11 in the Big Ten at the time, Ohio State and Indiana sat out the challenge.

Asked to reflect on Knight, Delany said: “I’d say from 1975 to 1990, he was the (game’s) best coach. He won three national championships and I think changed how basketball is played in the Big Ten, from very fast paced to more disciplined. Never broke the rules. Good on compliance. The students graduated. As a coach he was rough and tough.”

9. He is open to expansion

Will it ever make sense for the Big Ten to expand beyond 14 schools?

“That’s hard to say,” Delany said. “The tectonic plates underlying expansion have cooled off considerably. But there are also some very definitive and big things likely to occur in the next decade — from media agreements to congressional activity. Institutions may have to make choices about how they align and do things. I couldn’t speculate on it, but it wouldn’t shock me. I’m not saying there’s an absolute size that makes sense. But even at 14, it’s hard to keep round-robin competition.”

What is the best number for the College Football Playoff? Delany declared an openness to discuss new structures after the Big Ten failed to get its champion in the playoff in 2018 for the third straight season.

Delany put it like this: “I don’t mind being left out (in a four-team playoff), but I do think that the compromise we fought for has not been well-administered.

“The eye test was never mentioned in the instructions for the selection of the team. The resume was mentioned over and over and the strength of schedule over and over and the conference championships over and over and common opponents over and over. But the eye test was never mentioned.”

Delany said if a structural change is made before the 12-year agreement ends in 2026, it would be very complicated because of TV and bowl contracts. Plus he pointed to a “games issue” and “date issue.”

Are 16 games too many for non-salaried players? Is it wrong to play quarterfinal games around finals or extend the season past mid-January?

“It would be a compromise with various points of view,” he said. “But I won’t be engaged in that compromise.”

This much is clear: Big Ten officials were steamed a year ago when the College Football Playoff committee ranked Georgia fifth and Ohio State sixth. The Buckeyes won their conference title game; the Bulldogs lost theirs.

10. He has more mountains to climb

Delany has hiked Machu Picchu and scaled Mount Kilimanjaro. An Everest base-camp jaunt (approx. 17,000 feet) is the next goal.

“It’s a great way to test yourself, to see another culture,” he said. “It’s fun to travel. And it gives you an objective, puts you on a three- to four-month period of training.”

Delany will be moving to Nashville, Tennessee, and plans to lecture at universities.

He’s a scrappy golfer who thrives under pressure, especially when he’s getting shots because of his high handicap.

“A lot of people call me ‘5-for-4’ because, at best, it’s usually a net birdie,” he joked. “You can take away the winning, just don’t take away the competition.”